

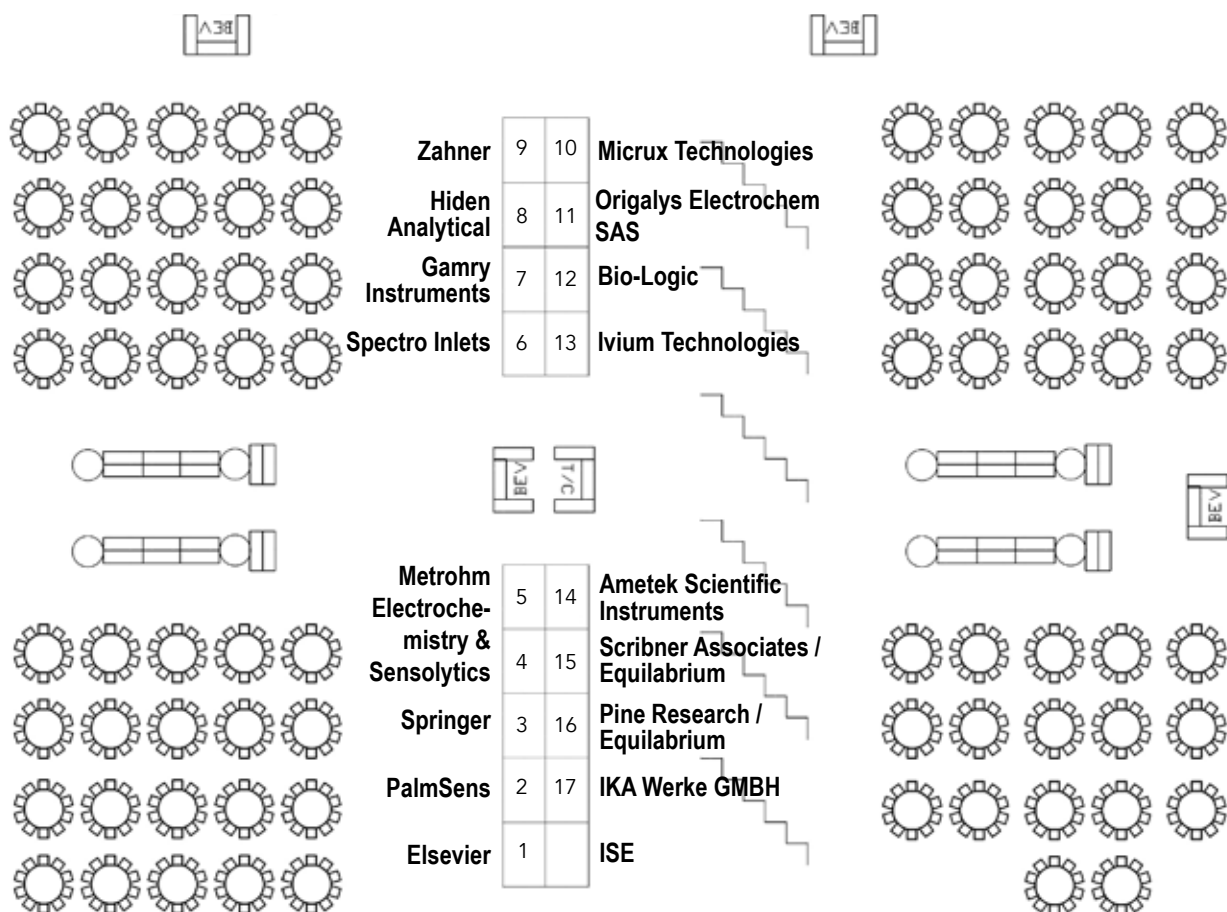
The 70th Annual Meeting of the International Society of Electrochemistry

Electrochemistry: Linking Resources to Sustainable Development
4 to 9 August 2019
Durban, South Africa

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Exhibitor booths



Entrance

Exhibition Hours

Monday:	09:30-20:00
Tuesday:	09:30-18:30
Wednesday:	09:30-12:00
Thursday:	09:30-18:00
Friday:	09:30-12:00

Exhibitors

Sponsors



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designed for scientists

IKA



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Welcome Address

Dear Colleagues



On behalf of all the African members of the International Society of Electrochemistry (ISE), the Organising Committee and Symposium Organisers, we warmly welcome you to the **70th Annual Meeting (AM)** of the ISE. This event is quite unique as it is the first time that the ISE, in its seventy years' history, is holding its AM on African soil. The 13th Topical Meeting of the ISE took place in 2013 in Pretoria (South Africa) at the CSIR where the (i) spinel cathode ($\text{Li}_{1+x}\text{Mn}_{2-x}\text{O}_4$) and anode ($\text{Li}_4\text{Ti}_5\text{O}_{12}$) materials for lithium-ion batteries and (ii) the ZEBRA battery were invented in the late 1970s (led by Michael Thackeray and Johan Coetzer, respectively).

Durban (eThekweni in Zulu, meaning “bay/lagoon”) is the largest city in the South African Province of KwaZulu-Natal. Archaeological findings from scenic Drakensberg mountains suggest that the Durban area has been inhabited by communities of hunter-gatherers since at least 100,000 BC. Durban is the third most populous city in South Africa, after Johannesburg and Cape Town. Durban is the busiest seaport in the country and prides itself as one of the major centres of tourism, in no small amount due to its favourable weather, with two warm sub-tropical seasons, according to the locals, (‘summer’ and ‘summer’) and extensive beaches. The venue of this meeting, Inkosi Albert Luthuli International Convention Centre (aka Durban ICC) is South Africa’s first International Convention Centre. It was opened by our first Black President, Nelson Rolihlala Mandela, in 1997. Since its inception, it has played a pioneering role in attracting international events to the city of Durban. There are tons of tourist attractions in Durban and cities in South Africa. Do not resist the temptations to visit some of our world-class sites including uShaka Marine World (Durban), the Kruger National Park, the Cradle of Humankind (UNESCO World heritage site, globally recognised as the place from which all of humankind originates) in Gauteng Province, the Table Mountain in Cape Town, to mention a few.

The theme of our 70th ISE annual meeting, “***Electrochemistry: Linking Resources to Sustainable Development***” reflects the increasing importance of electrochemistry in promoting human development (through science, engineering, technology and innovation) and, most importantly, value-adding to Africa’s abundant human and natural resources (mineral resources, solar energy, etc) to achieve sustainable development on the continent. We are currently witnessing the world’s commitment to “leaving no one behind” in the Sustainable Development Goals (Agenda 2030) and Africa’s Agenda 2063. For us in Africa, we consider the growing population of the continent (> 1.2 billion) as the most valuable resource for Africa, thus skill-acquisition or capacity-building in electrochemistry is critical for our development. This is the reason why in Durban 2019, for the first time in the history of our Society, we have included “***Electrochemistry Masterclasses***” in the programme.

We would like to thank our President, Prof Zhong-qun Tian, for his invaluable support, the plenary speakers (including our Nobel laureate, Sir Fraser Stoddart) and all our speakers, the Organizing Committee, Symposia Organizers and the Executive Committee, sponsors and exhibitors for all their contributions to make this meeting a success. Of course, it is impossible for this meeting to be successful without the key contributors (you, the participants), we thank you a million times!

We hope your 70th AM ISE (Durban 2019) will be a memorable one. Welcome to the motherland, Africa!

Kenneth I. Ozoemena

Chair: Organizing Committee of the 70th ISE Annual Meeting

Janice Limson & Mkhulu K. Mathe

Co-Chairs: Organizing Committee of the 70th ISE Annual Meeting

Organizing Committee

Christian Amatore, *Paris, France*

Priscilla Baker, *Cape Town, South Africa*

Justin Gooding, *Sydney, Australia*

Marilia Goulart, *Maceio, Brazil*

Pieter Levecque, *Cape Town, South Africa*

Janice Limson, *Grahamstown, South Africa (Co-chair)*

Mkhulu Mathe, *Pretoria, South Africa (Co-chair)*

Kenneth Ozoemena, *Johannesburg, South Africa (Chair)*

Zhong-Qun Tian, *Xiamen, China*

Gunther Wittstock, *Oldenburg, Germany*

Symposium Organizers

- Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors**
Alain Walcarius (Coordinator), Nancy University
Pedro Estrela, University of Bath
Emmanuel Iwuoha, University of Western Cape
Ritu Katakya, University of Durham
- Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications**
Taek Dong Chung (Coordinator), Seoul National University
Priscilla Baker, University of the Western Cape
Ronen Fogel, Rhodes University
Anthony Guiseppi-Elie, Clemson University
- Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers**
Kiyoshi Kanamura (Coordinator), Tokyo Metropolitan University
Marian Chatenet, LEPMI
Pieter Levecque, University of Cape Town
Elisabeth Lojou, CNRS, BIP
Peter Strasser, Technische Universität Berlin
Hiroyuki Uchida, University of Yamanashi
- Symposium 4 Renewable Energy and Photo-Electrochemistry**
Federico Rosei (Coordinator), INRS, EMT
Baodan Liu, IMR, Chinese Academy of Sciences
Csaba Janaky, University of Szeged
Frank Marken, University of Bath
Malik Maaza, iThemba LABS, UNISA
Mmantsae Diale, University of Pretoria
- Symposium 5 Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices**
Patrizia Mussini (Coordinator), Università degli Studi di Milano
Munkombwe Muchindu, Mintek
Francesco Paolucci, University of Bologna
Jessie Pillay, NMISA
Alain Walcarius, Nancy University
- Symposium 6 Advances in Bioelectrochemistry**
Seiya Tsujimura (Coordinator), University of Tsukuba
Renata Bilewicz, University of Warsaw
Rachel Fanelwa Ajayi, University of the Western Cape
Elena Ferapontova, Aarhus University
Justus Masa, Ruhr-Universität Bochum
- Symposium 7 Batteries for Powering Tomorrow's World**
Stefano Passerini (Coordinator), Karlsruhe Institute of Technology
Mesfin Kebede, CSIR
Robert Kostecki, Lawrence Berkeley National Laboratory
Hiten Parmar, Nelson Mandela University
- Symposium 8 Sustainable Resources, Processes and Design of High Power Supercapacitors**
Francesca Soavi (Coordinator), University of Bologna
Daniel Belanger, Université du Québec à Montréal
Katlego Makgopa, Tshwane University of Technology
Ncholu Manyala, University of Pretoria
- Symposium 9 Electro-physical Chemistry and Application of Platinum Group Metals**
Cobus Kriek (Coordinator), North-West University
Stanko Brankovic, University of Houston
Jessica Chamier, University of Cape Town
Angel Cuesta Ciscar, University of Aberdeen
Gary Patrick, Johannesburg
- Symposium 10 New Concepts and Opportunities in Electrochemical Synthesis: Fundamentals, Methods and Applications**
Giovanni Zangari (Coordinator), University of Virginia
Omotayo Arotiba, University of Johannesburg
Luca Magagnin, Politecnico di Milano
Nolwazi Nombona, University of Pretoria

- Symposium 11 The Science, Technology and Engineering of Corrosion**
Monica Santamaria (Coordinator), Università di Palermo
Esther Akinlabi, University of Johannesburg
Emeka Oguzie, Federal University of Technology Owerri
Sannakaisa Virtanen, University of Erlangen-Nuremberg
Vincent Vivier (Coordinator), University Pierre et Marie Curie
- Symposium 12 Electrochemical Technology for Water and the Environment for Social, Health and Economic Development**
Manuel A. Rodrigo (Coordinator), Universidad de Castilla-la-Mancha
Henry Bergmann, Anhalt University
Ioannis Ieropoulos, University of the West of England
Chi-Chang Hu, National Tsing Hua University
Heidi Richards, University of the Witwatersrand
- Symposium 13 Electrografting of Materials: from Fundamentals to Applications**
Olivier Buriez (Coordinator), Ecole Normale Supérieure, Paris
Samuel Chigome, Botswana Institute for Technology Research and Innovation
Philippe Hapiot, Université de Rennes
Philani Mashazi, Rhodes University
Fetah Podvorica, University of Prishtina
- Symposium 14 Molecular Electrochemistry: from Fundamentals to Applications**
Magdaléna Hromádová (Coordinator), J. Heyrovský Institute of Physical Chemistry
Jeanet Conradie, University of the Free State
Shankara Radhakrishnan, University of Pretoria
Guobao Xu, Chinese Academy of Sciences
- Symposium 15 Computational Electrochemistry and Simulation: from Prediction of Properties to Optimization of Devices**
Alejandro Franco (Coordinator), Université de Picardie Jules Verne
Krishna Bisetty, Durban University of Technology
Alex Quandt, University of the Witwatersrand
- Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces**
Shaowei Chen (Coordinator), University of California at Santa Cruz
Dave Billing, University of the Witwatersrand
Charl J. Jafra, Oak Ridge National Laboratory
Katharina Krischer, Technische Universität München
Bin Ren, Xiamen University
Manuela Rueda, Universidad de Sevilla
- Symposium 17 Electrochemical Technologies for Sustainable and Advanced Manufacturing**
Gerardine Botte (Co-ordinator), Ohio University
Takayuki Homma, Waseda University
Peter Olubambi, University of Johannesburg
Herman Potgieter, University of the Witwatersrand
Dongping Zhan, Xiamen University
- Symposium 18 Electrochemistry and Mining: Minerals and Metal Processing**
Antoine Allanore (Coordinator), Massachusetts Institute of Technology
Bouzek Karel, University of Chemistry and Technology Prague
Jochen Petersen, University of Cape Town
Yasuhiro Fukunaka, Waseda University
Toru Okabe, University of Tokyo
- Symposium 19 Imaging Heterogeneous Electrochemical Processes: From Single Molecules and Nanoparticles to Vesicles and Cells**
Nongjian Tao (Coordinator), Arizona State University
Aziz Amine, Hassan II University of Casablanca
Ismael Diez-Perez, King's College London
Wei Wang, Nanjing University
- Symposium 20 Carbon – A Starring Role in Electrochemistry**
Ahmed Galal (Coordinator), Cairo University
Patrick Ndungu, University of Johannesburg
Vincent Nyamori, University of KwaZulu Natal
Zikhona Tetana, University of the Witwatersrand
- Symposium 21 General Session**
Bernard Tribollet (Coordinator), University Pierre et Marie Curie (bernard.tribollet@upmc.fr)
Paul Ejikeme, University of Nigeria
Chi-Chang Hu, National Tsing Hua University
Samson Khene, Rhodes University
Duduzile Nkosi, University of Johannesburg

Tutorial and Workshop Lectures

Sunday, 4 August 2019

Tutorial 1

Room : 11-CD

13:00 to 16:30

Computational Electrochemistry

Marc Koper, *Leiden University*

Alexander Oleinick, *Ecole Normale Supérieure*

Wolfgang Schmickler, *Ulm University*

Tutorial 2

Room : 11-AB

13:00 to 16:30

Electrochemical Sensors

Emmanuel Iwuoha, *University of the Western Cape, South Africa*

Daniel Mandler, *Hebrew University of Jerusalem, Israel*

David Williams, *University of Auckland, New Zealand*

Wednesday, 7 August 2019

Workshop

Room : 21-ABC

11:00 to 12:20

Electrochimica Acta / ISE author workshop

Robert Hillman, *Editor in Chief Electrochimica Acta, University of Leicester, UK*

Plenary Lectures

Room: Hall 1

Sunday, 4 August 2019



18:15 to 19:15

Juan M. Feliu

(University of Alicante, Spain)

Well-defined Pt(hkl) solution interfaces: charge, ionic adsorption and acid-base properties

Monday, 5 August 2019



08:15 to 09:15

Sir Fraser Stoddart

(Northwestern University, USA) 08:15 to 09:15

Radical Chemistry

Tuesday, 6 August 2019



08:15 to 09:15

Tebello Nyokong

(Rhodes University, South Africa)

Methods of electrode surface modification using porphyrin-type molecules combined with nanomaterials

Wednesday, 7 August 2019



08:15 to 09:15

Peter G. Bruce

(University of Oxford, UK)

Oxygen Redox Electrochemistry - The Future of Lithium Batteries?

Thursday, 8 August 2019



08:15 to 09:15

Wolfgang Schuhmann

(Ruhr University Bochum, Germany)

From bioelectrocatalysis to electrocatalysis. A contribution to sustainability of energy provision

Friday, 9 August 2019



08:15 to 09:15

Peidong Yang

(University of California, USA)

Liquid Sunlight: the evolution of Photosynthetic Biohybrid Systems

Masterclasses

Monday 5 August 2019

09:30-10:30, Room MR 21-ABC

David E. Williams, *School of Chemical Sciences, University of Auckland, New-Zealand*

Mass transport and the electrochemical response

14:00-15:45, Room MR 21-ABC

Bernard Tribollet, *Sorbonne Université, Faculté de Sciences et Ingénierie, CNRS, France*

Graphical Impedance data analysis

Tuesday 6 August 2019

09:30-10:30, Room MR 21-ABC

Sir Frazer Stoddart, *Northwestern University, USA*

To be announced

14:00-15:45, Room MR 21-ABC

Ana Maria Oliveira-Brett, *Department of Chemistry, University of Coimbra, Portugal*

Bioelectrochemical Approaches to Sensing Biomolecules

Wednesday 7 August 2019

09:30-10:30, Room MR 21-ABC

Patrick Unwin, *Department of Chemistry, University of Warwick, United Kingdom*

Electrochemical Imaging: Why and how?

Thursday 8 August 2019

09:30-10:45, MR 21-ABC

Marc Koper, *Leiden Institute of Chemistry, Leiden University, Netherlands*

Electrocatalysis

14:00-15:00, MR 21-ABC

Hector Abruña, *Department of Chemistry and Chemical Biology, Cornell University, USA*

Applications of electrocatalysis

15:00-15:45, MR 21-ABC

Pieter Levecque, *Department of Chemical Engineering, University of Cape Town, Rondebosch, South Africa*

Polymer Electrolyte Fuel Cells and Electrolyzers as models for electrochemical engineering principles

Friday 9 August 2019

09:30-10:30, MR 21-ABC

Andrea Russel, *School of Chemistry, University of Southampton Highfield, United Kingdom*

Design of electrochemical cells and the factors that affect experimental response

ISE Prize Winners 2018

Electrochimica Acta Gold Medal



Juan M. Feliu, *University of Alicante, Spain*

Sunday, 4 August 2019 - 18:15-19:15, Plenary Lecture, Hall 1

Well-defined Pt(hkl) solution interfaces: charge, ionic adsorption and acid-base properties

The Electrochimica Acta gold medal is awarded to Juan Feliu, University of Alicante, Spain, in recognition of his sustained outstanding intellectual contributions to the understanding of electrochemical phenomena at electrodes of defined surface structure, and to the establishment of fundamental relationships between electrode surface structure and reactivity.

Brian Conway Prize for Physical Electrochemistry



Patrice Simon, *Université Paul Sabatier, Toulouse, France*

Monday 5 August 2019 - 14:00-14:40, Symposium 16, MR 12-CD

Following in Prof Conway's footsteps: 3- and 2-Dimensional materials for (super)capacitive energy storage

The Brian Conway Prize for Physical Electrochemistry has been awarded to Patrice Simon, Université Paul Sabatier, Toulouse, France, for his groundbreaking contributions to the fundamental understanding of the mechanism of charge storage in electrical double layers confined to carbon nanopores, shaping the field of capacitive energy storage, as well as to the design of nano-architected negative electrodes for Li-ion batteries.

Tajima Prize



Stefan Freunberger, *Graz University of Technology, Austria*

Monday 5 August 2019 - 16:40-17:30, Symposium 7, MR 21-DEF

Oxygen Redox and Singlet Oxygen in Non-aqueous Battery Chemistries

The Tajima Prize is awarded to Stefan Freunberger, Graz University of Technology, Austria, for his outstanding researches on Li-Air batteries by the use of a range of in-situ electrochemical methods to achieve comprehensive understanding of the reactions taking place at the oxygen electrode.

Jaroslav Heyrovsky Prize for Molecular Electrochemistry



Siegfried Waldvogel, *Johannes Gutenberg University, Mainz, Germany*

Monday 5 August 2019 - 09:30-10:10, Symposium 14, MR 12-AB

Concepts for Electrifying Organic Synthesis

The Jaroslav Heyrovsky Prize for Molecular Electrochemistry is awarded to Siegfried Waldvogel, Johannes Gutenberg University, Mainz, Germany, for his innovative and outstanding contributions to the field of organic electrosynthesis and particularly for the development of valuable methods/approaches allowing the preparation of high added value molecules.

Zhaowu Tian Prize for Energy Electrochemistry



Fabio La Mantia, *Universität Bremen, Germany*

Thursday 6 August 2019 - 14:00-14:40, Symposium 7, MR 21-DEF

Recent advancements in zinc-ion batteries based on Prussian Blue Analogues

The Zhaowu Tian Prize for Energy Electrochemistry is awarded to Fabio La Mantia, Universität Bremen, Germany, in recognition of his pioneering development of the mixing entropy battery based on salinity difference and his research on aqueous rechargeable metal-ion batteries.

ISE Prize Winners 2017

ISE Prize for Electrochemical Materials Science



Peng Bai, *Washington University in St. Louis, USA*

Understandings of Interphase Dynamics toward Uniform Electrodeposition of Alkali Metals in Nonaqueous Electrolytes

The ISE Prize for Electrochemical Materials Science is awarded to Peng Bai, Washington University in St. Louis, USA, in recognition of his research that uniquely combines theory and experiments at the intersection of electrochemistry, thermodynamics, and fluid and solid mechanics.

Bioelectrochemistry Prize of ISE Division 2



David Waldeck, *University of Pittsburgh, USA*

Wednesday 7 August 2019 - 09:30-10:00 Symposium 06, MR 22-G

Electron Charge and Spin Transfer in Films of Biomolecules

The Bioelectrochemistry Prize of Division 2 of ISE is awarded to David Waldeck, University of Pittsburgh, USA, in recognition of his fundamental work on charge transport phenomena associated with biomolecules, electron transport through proteins and nucleic acids, and electron transfer at biomolecule/electrode interfaces.

ISE-Elsevier Prize for Experimental Electrochemistry



Yu Huang, *University of California Los Angeles, USA*

Monday 5 August 2019 - 10:10-10:30 Symposium 03, Hall 1

Creating High-Performance Heterogeneous Catalysts through Surface Engineering

The ISE-Elsevier Prize for Experimental Electrochemistry is awarded to Yu Huang, University of California Los Angeles, USA, for her outstanding contributions to electrocatalyst design and experimental methods.

ISE-Elsevier Prize for Applied Electrochemistry



Kyle Smith, *University of Illinois at Urbana-Champaign, USA*

Tuesday 6 August 2019 - 14:00-14:40, Symposium 12, MR 11-AB

Understanding and Controlling Reaction and Transport Mechanisms in Prussian Blue Analogues for Faradaic Deionization

The ISE-Elsevier Prize for Applied Electrochemistry is awarded to Kyle Smith, University of Illinois at Urbana-Champaign, USA, in recognition of his mathematical rigour in simulating electrochemical systems for a range of applications, providing model predictions for experimental validation.

ISE-Elsevier Prize for Green Electrochemistry



Emmanuel Mousset, *CNRS/University of Lorraine, Nancy, France*

Monday 5 August 2019 - 14:00-14:40, Symposium 12, MR 11-AB

Electrochemical Advanced Oxidation as Wastewater Treatment Technology – From Kinetics to Modeling and Engineering Aspects

The ISE-Elsevier Prize for Green Electrochemistry is awarded to Emmanuel Mousset, CNRS/University of Lorraine, Nancy, France, in recognition of his significant contributions to applying advanced electrochemical approaches to wastewater treatment and soil remediation.

Early Career Analytical Electrochemistry Prize of ISE Division 1



Maria Cuartero Botia, *KTH Royal Institute of Technology, Stockholm, Sweden*

Tuesday 6 August 2019 - 09:30-10:10, Symposium 01, MR 21-G

Voltammetry Nanomembranes Coupled to Ferrocene Monolayers for Creatinine Detection

The Early Career Analytical Electrochemistry Prize of ISE Division 1 is awarded to Maria Cuartero, KTH Royal Institute of Technology, Stockholm, Sweden, for her continuous contribution to the electrochemical detection of various species in aquatic systems based mostly on potentiometric methods.

Oronzio and Niccolò De Nora Foundation Young Author Prize



Cigdem Toparli, *Massachusetts Institute of Technology, Cambridge, USA*

Thursday 8 August 2019 - 09:50-10:10, Symposium 16, MR 12-CD

Investigation of Electrochemical Interfaces for H₂ Production

The Oronzio and Niccolò De Nora Foundation Young Author Prize 2018 is awarded to Cigdem Toparli, Massachusetts Institute of Technology, USA for her article In situ and operando observation of surface oxides during oxygen evolution reaction on copper, published in *Electrochimica Acta* 236 (2017) 104-115.

Electrochimica Acta Travel Awards for Young Electrochemists 2018

Philippe Dauphin Ducharme, *USA*

Felipe Conzuelo, *Germany*

Maria Komkova, *Russia*

ISE Travel Awards for Young Electrochemists 2018

Xinxin Xiao, *Denmark*

Francesco Di Franco, *Italy*

Kai S. Exner, *Bulgaria*

Elena Davydova, *Israel*

Anisha Patel, *UK*

Marco Tulio Fonseca Rodrigues, *USA*

Serena Arnaboldi, *Italy*

ISE Society Meetings

Sunday, 4 August 2019

Opening Ceremony

16:45 to 18:15 › Hall 1

Monday, 5 August 2019

Division Officers Luncheon Meeting

12:40 to 13:40 › MR 11-CD

Regional Representatives Luncheon Meeting

12:40 to 13:40 › MR 12-CD

Tuesday, 6 August 2019

Council Meeting

12:40 to 13:40 › MR 11-CD

Thursday, 7 August 2019

General Assembly

11:15 to 12:15 › Hall 1

Division Meetings

12:40 to 13:40

Division 1 Analytical Electrochemistry › Room 11-CD

Division 2 Bioelectrochemistry › Room 12-AB

Division 3 Electrochemical Energy Conversion and Storage › Room 12-CD

Division 4 Electrochemical Materials Science › Room 11-AB

Division 5 Electrochemical Process Engineering and Technology › Room 21-DEF

Division 6 Molecular Electrochemistry › Room 21-G

Division 7 Physical Electrochemistry › Room 22-ABC

Friday, 7 September 2018

Closing Ceremony

12:15 to 12:30 › Hall 1

See room locations on back cover

Poster presentations

Poster presentation session 1 - Monday

Hall 2

Symposia: s4, s7, s13, s19, s20, s21

Poster set-up Monday: 08:30-10:30 *See poster locations map on page 142*

Poster Presentation: Monday, 5 August 2019: 10:50-12:20

Poster take-down Monday: 18:00-19:00

Poster presentation session 2 - Tuesday

Hall 2

Symposia: s2, s5, s9, s10, s12, s14, s17, s18

Poster set-up Tuesday: 08:30-10:30 *See poster locations map on page 143*

Poster Presentation: Tuesday, 6 August 2019: 10:50-12:20

Poster take-down Tuesday: 18:00-19:00

Poster presentation session 3 - Wednesday

Hall 2

Symposia: s1, s3, s6, s8, s11, s15, s16

Poster set-up Wednesday: 08:30-10:30 *See poster locations map on page 144*

Poster Presentation: Wednesday, 7 August 2019: 10:50-12:20

Poster take-down Thursday: 14:00-16:00

General Information

Publications

A special issue of the Society's journal, *Electrochimica Acta*, is planned based on selected original contributions made at the conference. Selection will be made by an international editorial Committee comprising the following Editors* and Guest Editors, one for each of the Symposiums in which the meeting is articulated:

- Symposium 1 **Alain Walcarius**
- Symposium 2 **Priscilla Baker**
- Symposium 3 **Marian Chatenet**
- Symposium 4 **Csaba Janaky**
- Symposium 5 **Patrizia Mussini**
- Symposium 6 **Elena Ferapontova ***
- Symposium 7 **Robert Kostecki ***
- Symposium 8 **Daniel Belanger**
- Symposium 9 **Angel Cuesta Ciscar**
- Symposium 10 **Giovanni Zangari**
- Symposium 11 **Monica Santamaria**
- Symposium 12 **Henry Bergmann**
- Symposium 13 **Olivier Buriez**
- Symposium 14 **Magdaléna Hromádová**
- Symposium 15 **Alejandro Franco**
- Symposium 16 **Katharina Krisher**
- Symposium 17 **Francois Lapicque**
- Symposium 18 **Antoine Allanore**
- Symposium 19 **Ismael Diez-Perez**
- Symposium 20 **Ahmed Galal**

The Special Issues Editor, Sergio Trasatti, will co-ordinate the action of the editorial Committee and will be directly responsible for the review procedure. The Special Issue is planned to accommodate up to 200 papers.

Submission only on invitation of one of the Editors/Guest Editors.

Submission of contributions: **From August 10, 2019 with deadline December 15, 2019.**

Social Program

RECEPTIONS

Welcome Reception

Sunday, 4 August 2019, 19:15-20:30 in the main foyer of the International Convention Centre Durban

Monday Reception

Monday, 5 August 2019, 18:40-20:10 Hall 2

Thursday Banquet

Thursday, 8 August 2019, 19:00

Restaurant Moyo uShaka and Cargo Hold

1 Bell Street, uShaka Marine World,

Point, Durban, KwaZulu-Natal, 4001

Price per person: EURO 45.-, Places are limited.

All tickets for the banquet must be pre-booked and are non-refundable.

Oral presentation program



Sunday 4 August 2019 - Afternoon

SUNDAY PM

Opening Ceremony

Room: Hall 1

Chaired by: Kenneth Ozoemena and Janice Limson

16:45 to 18:15

[Opening of 70th Annual Meeting of the International Society of Electrochemistry](#)
[2018 Award winner presentations](#)

Plenary

Room : Hall 1

Chaired by : Janice Limson

18:15 to 19:15

Juan Feliu (*Institute of Electrochemistry, University of Alicante, Alicante, Spain*)

[Well-defined Pt\(hkl\)/solution interfaces: charge, ionic adsorption and acid-base properties](#)

ROOMS:	MR 21-ABC	HALL 1	MR 11-CD	MR 12-AB	MR 12-CD	MR 11-AB	MR 21-DEF	MR 21-G	MR 22-ABC	MR 22-DEF	MR 22-G											
Plenary Lecture: Sir Fraser Stoddart (Hall 1)																						
08:15 - 09:15																						
SYMPOSIUM	Masterclass	Symposium 3	Symposium 8	Symposium 14	Symposium 16	Symposium 12	Symposium 7	Symposium 1	Symposium 4	Symposium 2	Symposium 5											
09:30 - 09:50	David E Williams	Wendy Shaw	Yury Gogotsi	S. Waldvogel	Hector Abruna	Omotayo Arotiba	Kristina Edström	E. Tamiya	Hyunwoong Park	Kevin Plaxco	Marc Kopper											
09:50 - 10:10		Yu Huang	I. Habib	Kevin Moeller	Enrique Herrero	Lucia Mascaro	Bernhard Gollas	A. Morrin	P.J. Kulesza	Zong-Hong Lin	S. Antonello											
10:10 - 10:30		A.K. Mechler	S. Dsoke	Cheng-Chu Zeng	Wei Chen	Enyioma Okpara	Alejandro Franco	Hongxia Luo	B.M. Alibeiglou	Justin Gooding	G. Wittstock											
10:30 - 10:50																						
Coffee Break & POSTER SESSION 1																						
10:50 - 12:20																						
Lunch																						
Regional Repres. Meeting																						
Lunch																						
12:40 - 13:40																						
Division Officers Meeting																						
Lunch																						
SYMPOSIUM																						
14:00 - 14:20	Bernard Tribollet	Laelitia Dubau	Symposium 3		Symposium 8		Symposium 14		Symposium 16		Symposium 12		Symposium 7		Symposium 1		Symposium 4		Symposium 2		Symposium 5	
14:20 - 14:40			A. Matic N. Manyala		Diane Smith		Patrice Simon		Emmanuel Mousset		A. Manthiram		D. Mandler A. Crespo		Artur Braun		P.D. Ducharme V. Kriksotalityte		Aicheng Chen			
14:40 - 15:00		Marco Bellini	M. Hekmatfar	Richard Webster	Zhong-Qun Tian	R.C. Rocha-Filho	Makhloughiazad	S. Amaboldi	Seyedsina Hejazi	I. Michira	Munetaka Oyama											
15:00 - 15:20		Junjie Ge	A.Nwanya	A. Enache	YuYe J. Tong	Henry Bergmann	M.T. F. Rodrigues	J. Dolinska	Xinsheng Zhang	Abongile Jijana	Denis Oehl											
15:20 - 15:40		Kenji Kano	K. Makgopa	V. Del Colle	Olga Kasian	Ricardo Salazar	Bing Joe Hwang	A. Fdz-la-Villa	Fatemeh Davodi	Ben Ali Mounir	Aaron Marshall											
15:40 - 16:00		Yun Wu	Yann Leroux	J. Conradie	Xiongwu Kang	Kanayo Oguzie	Aura Tolosa	E. Pargoletti	A. W. Maijenburg	Hua Cui	Zhe Weng											
16:00 - 16:20		Olaf Rüdiger	I. Hoskovcova	Shen Ye	C. Martínez-Huitle	Jian-Jun Sun	Sixollie Centane	Mila Krstajic Pajic														
Coffee Break																						
16:20 - 16:40																						
16:40 - 17:00		Frederic Barriere	P-H Aubert	Jiri Ludvik	Robert Hillman	S. Garcia-Segura	S. Freunberger	K. De Wael	Bruce Koel	Emmanuel Iwuoha	Gregor Zwaschka											
17:00 - 17:20		A. Gouda	Jose H. Zagal	K. Krischer	Ulli Kunz	Bingwei Mao	S. Moraes Silva	Carlos Pereira	S. Hausener	Abhishek Kumar												
17:20 - 17:40		Galah Smith	Francesca Soavi	Tankiso Ngake	Jingyuan Chen	Jun Chen	Maxime Savoie	Marilia Goulart	C.B. Njoku													
17:40 - 18:00		Omer Yehezkeili	Qamar Abbas	K.B. Kokoh	Jiawei Yan	O. Bankole	Wei-Wei Zhao	Philippe Banet	Fatma Fezai													
18:00 - 18:20		R. Bennett	C. Pereira	Amanda Garcia	Piret Pikma	Xing-Hua Xia	S. Scarabino	Victor Diculescu	L. Gaolatlhe													
18:20 - 18:40	R. Kostecki	N. Vilas-Boas	E. Chiyindiko	M.F. Mousavi	Petr Krtil	K.K. Masibi																
18:40 - 20:00	Reception																					

Monday 5 August 2019 - Morning

MONDAY AM

Plenary

Room : Hall 1*Chaired by : Philip Bartlett*

08:15 to 09:15

Sir Fraser Stoddart (*Department of Chemistry, Northwestern University, Evanston IL, USA*)[Radical Chemistry](#)

Masterclass

Room : 21-ABC*Chaired by : Caren Billing*

09:30 to 10:30

David E. Williams (*School of Chemical Sciences, University of Auckland, Auckland, New Zealand*)[Mass transport and the electrochemical response](#)

Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Room : 21-G*Chaired by : Serena Arnaboldi and Alain Walcarius*

09:30 to 10:10 Keynote

Eiichi Tamiya (*Graduate School of Engineering, Osaka University, Suita, Japan*)[Electrochemical and electrochemiluminescent biosensor platforms based on screen printed electrodes for biomedical applications](#)

10:10 to 10:30 Invited

Aoife Morrin (*School of Chemical Sciences, Dublin City University, Dublin, Ireland*)[Assessing Skin Physiology Using Non-Invasive Electroanalytical Wearable Sensing Platforms](#)

10:30 to 10:50

Hongxia Luo (*Department of Chemistry, Renmin University of China, Beijing, China*), Yang Luo[A Flexible CVD Graphene Platform Electrode Modified with L-Aspartic acid for the Simultaneous Determination of Acetaminophen, Epinephrine and Tyrosine](#)

10:50 to 12:20

Poster session with coffee

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Room : 22-DEF

Chaired by : Taek Dong Chung and Emmanuel Iwuoha

09:30 to 10:10 Keynote

Kevin Plaxco (*Chemistry and Biochemistry, University of California, Santa Barbara, Santa Barbara, USA*)

[Real-time Molecular Measurements in situ in the Living Body](#)

10:10 to 10:30 Invited

Zong-Hong Lin (*Institute of Biomedical Engineering, National Tsing Hua University, Hsinchu, Taiwan*)

[Self-Powered Electrochemical Systems for Biosensing and Nanoparticle Synthesis Applications](#)

10:30 to 10:50

Justin Gooding (*School of Chemistry, The University of New South Wales, Sydney, Australia*), Roya Tavallaie, Joshua McCarroll, Sharmin Hoque, Long Zhang, Brynn Hibbert, Maria Kavallaris, Richard Tilley

[Nucleic acid hybridization-induced electrically reconfigurable network of gold-coated magnetic nanoparticles enables ultrasensitive microRNA detection in blood](#)

10:50 to 12:20

Poster session with coffee

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : Anna K. Mechler and Shelley Minteer

09:30 to 10:10 Keynote

Wendy Shaw (*Physical and Computational Sciences Directorate, Pacific Northwest National Laboratory, Richland, USA*), Arnab Dutta, Nilusha Boralugodage, Olaf Ruediger, Wolfgang Lubitz, Patricia Rodriguez-Macia, Alaa Oughli, Nicolas Plumeré, Wolfgang Schuhmann, Adrian Ruff, Solene Gentil, Serge Cosnier, Alan Le Goff, Vincent Artero

[Fuel Cell Activity from Non-Precious Metal Molecular Catalysts](#)

10:10 to 10:30

ISE-Elsevier Prize for Experimental Electrochemistry

Yu Huang (*Materials Science and Engineering, University of California Los Angeles, Los Angeles, USA*)

[Creating High-Performance Heterogeneous Catalysts through Surface Engineering](#)

10:30 to 10:50

Anna K. Mechler (*Heterogeneous Reactions, Max Planck Institute for Chemical Energy Conversion, Mülheim a.d. Ruhr, Germany*), Dongyoon Shin, Sabita Bhandari, Frédéric Jaouen

[The Impact of Peroxide Scavenging in Platinum Decorated Iron-Based Electrocatalysts for the Oxygen Reduction Reaction](#)

10:50 to 12:20

Poster session with coffee

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : Frank Marken

09:30 to 10:10 Keynote

Hyunwoong Park (*School of Energy Engineering, Kyungpook National University, Daegu, Korea*), Guangxia Piao, Byeong Joo Kim, Seung Yo Choi, Wonjung Choi, Jae-Joon Lee, Dong Suk Han

[Sunlight-Assisted Electrocatalytic CO₂ Conversion to Valued Added Chemicals Using Nanostructured Metals and Metal Oxides](#)

10:10 to 10:30

Pawel J. Kulesza (*Department of Chemistry, University of Warsaw, Warsaw, Poland*), Ewelina Szaniawska, Anna Wadas, Ewelina Seta, Iwona A. Rutkowska

[Stabilization and Activation of Copper\(I\) Oxide Photocathode for Efficient Reduction of Carbon Dioxide](#)

10:30 to 10:50

Behzad Mahmoudi Alibeiglou (*Center for Innovation Competence (ZIK) "SiLi-nano", Martin Luther University Halle-Wittenberg, Halle, Germany*)

[CuGaSe₂/CuGa₃Se₅ Thin Films as a Photocathodes for Photoelectrochemical Water Splitting](#)

10:50 to 12:20

Poster session with coffee

Symposium 5 Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices

Room : 22-G

Chaired by : Salvatore Daniele

09:30 to 10:10 Keynote

Marc Koper (*Leiden Institute of Chemistry, Leiden University, Leiden, Netherlands*)

[Electrocatalysis on gold](#)

10:10 to 10:30 Invited

Sabrina Antonello (*Chemistry, University of Padova, Padova, Italy*), Tiziano Dainese, Mattia Reato, Jacopo Stefanelli, Flavio Maran

[Conductivity Properties of Monolayer-Protected Gold Nanoclusters Films and their Application as Chemosensors](#)

10:30 to 10:50

Gunther Wittstock (*Chemistry Department, Carl von Ossietzky University of Oldenburg, Oldenburg, Germany*), Mareike Haensch, Luis Balboa Blanco, Matthias Graf, Jörg Weissmüller

[New approaches for the study of Electrocatalysis and Transport in Nanoporous Gold](#)

10:50 to 12:20

Poster session with coffee

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Arumugam Manthiram and Stefano Passerini

09:30 to 10:10 Keynote

Kristina Edström (*Department of Chemistry - Angstrom Laboratory, Uppsala University, Uppsala, Sweden*), Ida Källquist, Andrew Naylor, Christian Bauer, Johann Chable, Jolla Kullgren, Maximilian Fichtner, Daniel Brandell, Maria Hahlin

[Degradation mechanisms in \$\text{Li}_2\text{VO}_2\text{F}\$ Li-rich disordered rock-salt cathodes](#)

10:10 to 10:30

Bernhard Gollas (*Institute for Chemistry and Technology of Materials, Graz University of Technology, Graz, Austria*), Christian Zelger, Birgit Pichler, Viktor Hacker

[Status, Challenges and Prospects for Zinc-Air Redox Flow Batteries](#)

10:30 to 10:50

Alejandro Franco (*Laboratoire de Réactivité et Chimie des Solides (LRCS), Université de Picardie Jules Verne & CNRS UMR 7314, Amiens, France*), Alain Cabrel Ngandjong, Teo Lombardo, Alexis Rucci, Mehdi Chouchane, Abbos Shodiyev, Emiliano Primo

[ARTISTIC: A Predictive Multiscale Simulation Platform of the Fabrication Process of Lithium Ion Batteries](#)

10:50 to 12:20

[Poster session with Coffee](#)

Symposium 8 Sustainable Resources, Processes and Design of High Power Supercapacitors

Room : 11-CD

Chaired by : Ncholu Manyala and Assumpta Nwanya

09:30 to 10:10 Keynote

Yury Gogotsi (*Department of Materials Science and Engineering, Drexel University, Philadelphia, USA*), Xuehang Wang, Patrice Simon

[High-rate Pseudocapacitive Energy Storage in MXenes with Fast Intercalation](#)

10:10 to 10:30

Irfan Habib (*Physics, University of Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena, Philippe Ferrer

[Investigating the impact of onion-like carbons on the supercapacitance of \$\text{Ti}_2\text{CT}_x\$ MXene](#)

10:30 to 10:50

Sonia Dsoke (*Helmholtz Institute Ulm & Institute for Applied Materials, Karlsruhe Institute of Technology, Karlsruhe, Germany*)

[Polyoxometallate-based redox supercapacitors](#)

10:50 to 12:20

Poster session with coffee

Symposium 12 The Electrochemical Technology for Water and the Environment for Social, Health and Economic Development

Room : 11-AB

Chaired by : Emmanuel Mousset

09:30 to 10:10 Keynote

Omotayo Arotiba (*Applied Chemistry, University of Johannesburg, Johannesburg, South Africa*), Benjamin Orimolade, Babatunde Koiki, Moses Peleyeju, Eseghe Umukoro, Jonathan Babalola, Nonhlangabezo Mabuba

[Visible Light Driven Photoelectrocatalytic Semiconductor Heterojunction Anodes for Water Treatment Applications](#)

10:10 to 10:30

Lucia Mascaro (*Chemistry, UFSCar, Brazil*), Hugo Santos

[Investigation of the Electrodeposition of Ni-Mo-Cu Coatings as a Highly Active Catalyst for the Hydrogen Evolution Reaction](#)

10:30 to 10:50

Enyioma Okpara (*Chemistry, North-West University, Mafikeng Campus, Mmabatho, South Africa*), Omolola Fayemi

[Green Mediated ZnO/CuO Nanoparticles: Synthesis and Characterization](#)

10:50 to 12:20

Poster session with Coffee

Symposium 14 Molecular Electrochemistry: from Fundamentals to Applications

Room : 12-AB

Chaired by : Jiri Ludvik

09:30 to 10:10 Keynote

Jaroslav Heyrovsky Prize for Molecular Electrochemistry

Siegfried Waldvogel (*Organic Chemistry, Johannes Gutenberg University, Mainz, Germany*)

[Concepts for Electrifying Organic Synthesis](#)

10:10 to 10:30

Kevin Moeller (*Chemistry, Washington University in St. Louis, St. Louis, USA*)

[Exploring the Interplay Between Organic Synthesis and Electrochemistry. Capitalizing on a Synergistic Relationship](#)

10:30 to 10:50

Cheng-Chu Zeng (*College of Lifescience & Biogineering, Beijing University of Technology, Beijing, China*), Ke-Jing Li

[Electrochemically Oxidative C-H Functionalization of Quinoxalin-2\(1H\)-ones: An effective Synthesis of 3-substituted Quinoxalin-2\(1H\)-ones through Direct Electrolysis](#)

10:50 to 12:20

Poster session with coffee

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : Manuela Rueda

09:30 to 10:10 Keynote

Hector Abruna (*Department of Chemistry and Chemical Biology, Cornell University, Ithaca, USA*)

[Energy Conversion and Storage: Novel Materials and Operando Methods](#)

10:10 to 10:30 Invited

Enrique Herrero (*Instituto de Electroquímica, Universidad de Alicante, Alicante, Spain*), Adolfo Ferre-Vilaplana, Valentín Briega-Martos

[Understanding ORR in nitrogen doped graphitic materials](#)

10:30 to 10:50 Invited

Wei Chen (*State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, CAS, Changchun, China*), Zhihua Zhuang, Xiaohui Gao, Yizhong Lu, Minmin Liu, Xiaokun Li

[Advanced Electrocatalysts Based on Metal Nanoclusters](#)

10:50 to 12:20

Poster session with coffee

Monday 5 August 2019 - Afternoon

MONDAY PM

Masterclass

Room : 21-ABC

Chaired by : Caren Billing

14:00 to 15:45

Bernard Tribollet (CNRS, Sorbonne Universite, Paris, France)

[Graphical Impedance data analysis](#)

Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Room : 21-G

Chaired by : Christopher Brett and Florence Geneste

14:00 to 14:20

Daniel Mandler (Institute of Chemistry, Hebrew University of Jerusalem, Jerusalem, Israel), Andrea Buffa

[Sensitive, Fast and Cheap Approach for Electrochemical Monitoring of Pollutants in Water](#)

14:20 to 14:40

Gaston A. Crespo (Department of Chemistry, KTH Royal Institute of Technology, Stockholm, Sweden)

[New Decentralized Platforms for On-body Analysis of Sweat and Interstitial Fluid Using Potentiometric Sensors](#)

14:40 to 15:00

Serena Arnaboldi (Dipartimento di Chimica, Università degli Studi di Milano, Milano, Italy), Daniele Vigo, Patrizia Romana Mussini, Mariangela Longhi, Sara Grecchi, Francesco Orsini, Tiziana Benincori

[Artificial Enantiopure Inherently Chiral Membranes: Enantiodiscrimination Trough a New "Ion-Selective Like" Setup](#)

15:00 to 15:20

Joanna Dolinska (Department of Electrode Processes, Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland), Marcin Holdynski, Marcin Opallo

[Electrochemical Detection of Prussian Blue Nanoparticles in Forced Convection Conditions: Rotating Disc Electrode vs. 3D Printed Flow System with Electrochemical Detection](#)

15:20 to 15:40

Ana Fernández-la-Villa (R&D, MicruX Technologies, Gijón, Spain), Diego F. Pozo-Ayuso, Mario Castaño-Álvarez

[Novel Printable Electrochemical Sensor on Flexible Substrate for Flow Analysis Applications](#)

15:40 to 16:00

Eleonora Pargoletti (Chemistry, Università di Milano, Milan, Italy), Antonio Tricoli, Mariangela Longhi, Vittoria Guglielmi, Giuseppe Cappelletti

[Low Temperature Composite Sensors for Environmental and Medical Applications](#)

16:00 to 16:20

Jian-Jun Sun (College of Chemistry, Fuzhou University, Fuzhou, China)

[Temperature controllable electrodes](#)

16:20 to 16:40 Coffee Break

16:40 to 17:20 Keynote

Karolien De Wael (*Chemistry, Antwerp University, Antwerp, Belgium*)

[Bio-Inspired Laser-Induced Electrochemical Sensing Strategies](#)

17:20 to 17:40

Saimon Moraes Silva (*Faculty of Science, Engineering and Technology, Swinburne University of Technology, Melbourne, Australia*), Anita F. Quigley, Robert M. I. Kapsa, George W. Greene, Simon E. Moulton

[Lubricin Modified Platinum Electrode: An Ultra-low Fouling Surface](#)

17:40 to 18:00

Kosuke Ino (*Graduate School of Engineering, Tohoku University, Sendai, Japan*), Ryosuke Yaegaki, Yuji Nashimoto, Hitoshi Shiku

[Electrochemical Analysis of Three-Dimensional Cultured Cells Using Bipolar Array Devices](#)

18:00 to 18:20

Wei-Wei Zhao (*Chemistry, Nanjing University, Nanjing, China*), Jing-Juan Xu, Hong-Yuan Chen

[Liposomal Photoelectrochemical Immunoassay](#)

18:20 to 18:40

Xing-Hua Xia (*School of Chemistry and Chemical Engineering, Nanjing University, Nanjing, China*), Yue Zhou

[Importance of molecular orientation for direct electron transfer and \(photo\)electrochemical sensors](#)

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Room : 22-DEF

Chaired by : Zong-Hong Lin and Kevin Plaxco

14:00 to 14:20

Philippe Dauphin Ducharme (*Chemistry and Biochemistry, University of California at Santa Barbara, Santa Barbara, USA*), Kevin Plaxco

[In Vein and In Brain Detection of Drugs using DNA Biosensors](#)

14:20 to 14:40

Vida Krikstolaityte (*School of Civil and Environmental Engineering, Nanyang Technological University, Singapore, Singapore*), Ruzgas Tautgirdas, Sebastian Bjorklund

[Biofouling Studies of Ion Selective Electrodes by Combining Simultaneous Potentiometric-Quartz Crystal Microbalance with Dissipation Measurements](#)

14:40 to 15:00

Immaculate Michira (*Chemistry, University of Nairobi, Nairobi, Kenya*)

[Nano-sized Polyphenol Stabilized Metallo-Polymer Composites for Various Applications](#)

15:00 to 15:20

Abongile Jijana (*Nanotechnology Innovation Center, Mintek, Randburg, South Africa*), Ntsoaki Mputhi, Sibulelo Vilakazi

[The Square-Wave Anodic Stripping Analysis of As\(III\) on L-Cysteine/ \$\alpha\$ -Lipoic Acid Capped Gold Nanoparticles Modified on Screen Printed Carbon Electrodes \(SPCEs\)](#)

15:20 to 15:40

Ben Ali Mounir (*Electronic Department, Higher Institute of Applied Science and Technology of Sousse, Sousse, Tunisia*)

[Early stage detection of cancer biomarkers using Nano-materials based sensors](#)

15:40 to 16:00

Hua Cui (*Department of Chemistry, University of Science and Technology of China, Hefei, China*), Zhili Han, Jiangnan Shu, Qiaoshi Jiang

[Electrochemiluminescence Immunosensor for Heart Disease Biomarker Copeptin Based on Luminescent Immuno-Gold Nanoassemblies](#)

16:00 to 16:20

Sixolile Centane (*Chemistry, Rhodes University, Grahamstown, South Africa*), Tebello Nyokong

[The antibody assisted detection of human epidermal growth factor receptor on a cobalt porphyrin organic framework and gold functionalized graphene quantum dots modified electrode](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Emmanuel Iwuoha (*University of Western Cape Sensor Laboratories (SensorLab), University of the Western Cape, Cape Town, South Africa*), Lindsay Wilson, Samantha Douman, Usisipho Feleni, Unathi Sidwaba, Laura Pacoste

[Impact of Nanobioelectrochemical Sensing and Signalling of Disease Biomarkers on UN's Sustainable Development Goal](#)

17:20 to 17:40

Carlos Pereira (*Chemistry and Biochemistry, Porto University - FCUP, Porto, Portugal*), José Ribeiro, Tânia Rebelo, A. F. Silva

[Electrochemical biosensors - can plastic antibodies \(MIPs\) replace natural antibodies as biorecognition element?](#)

17:40 to 18:00

Marilia Goulart (*Institute of Chemistry and Biotechnology, Federal University of Alagoas, Maceio, Brazil*), Ana Caroline Ferreira Santos, Maria del Pilar Taboada-Sotomayor, Sabir Khan, Antônio Euzébio Santana, Rita de Cassia Luz, Flavio Damos

[Magnetic MIPS for Separation and Electroanalysis of Biologically Active Thiols](#)

18:00 to 18:20

Philippe Banet (*Laboratory of Physicochemistry of Polymer and Interfaces, University of Cergy Pontoise, Neuville sur Oise, France*), Jantina Upan, Kontad Ounnunkad, Jaroon Jakmunee, Pierre-Henri Aubert

[Differential Pulse Voltammetric Immunosensor for Hepatitis B Surface Antigen Using Modified Screen-Printed Carbon Electrode](#)

18:20 to 18:40

Victor Diculescu (*Laboratory of Multifunctional Materials and Structures, National Institute of Materials Physics, Magurele, Romania*), Madalina Barsan

[Antibody-based Electrochemical Biosensors for 20S Proteasome](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : *Serge Cosnier and Laetitia Dubau*

14:00 to 14:40 Keynote

Laetitia Dubau (*LEPMI, CNRS, Saint Martin d'Heres, France*), Raphael Chattot, Tristan Asset, Olivier Le Bacq, Pierre Bordet, Jakub Drnec, Frederic Maillard

[Unifying ORR structure-activity-stability relationships of shape-controlled and highly defective PtNi/C electrocatalysts](#)

14:40 to 15:00

Marco Bellini (*ICCOM, CNR, Sesto Fiorentino, Italy*), Maria Vincenza Pagliaro, Manuela Bevilacqua, Andrea Marchionni, Hamish Andrew Miller, Jonathan Filippi, Hansjorg Grutmacher, Werner Oberhauser, Francesco Vizza

[Organometallic Based Catalysts for Energy Production and Storage](#)

15:00 to 15:20

Junjie Ge (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, China*)

[Highly Efficient ORR Electro-catalysts with Finite Number of Metal Atoms as Active Center](#)

15:20 to 15:40 Invited

Kenji Kano (*Graduate School of Agriculture, Kyoto University, Kyoto University, Kyoto, Japan*)

[A Bio-Solar Cell with Thylakoid Membranes and Bilirubin Oxidase](#)

15:40 to 16:00

Yun Wu (*Department of Materials Science and Engineering, Tokyo Institute of Technology, Tokyo, Japan*), Azhagamuthu Muthukrishnan, Shinsuke Nagata

[Kinetic study of oxygen reduction reaction over nitrogen-doped and iron-nitrogen-doped carbon catalysts](#)

16:00 to 16:20 Invited

Olaf Rüdiger (*Inorganic Spectroscopy, Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*), Karolina Lewandowska, Mustafa Al Samarai, Alaa A. Oughli, Nicolas Plumeré, Wolfgang Schuhmann, Wolfgang Lubitz, Wendy J. Shaw, Serena DeBeer

[\(Spectro\)-Electrochemical Investigations of Water Splitting Enzymes, Bio-inspired Catalysts and Metal Oxides on the Electrode Surface](#)

16:20 to 16:40 Coffee Break

16:40 to 17:20 Keynote

Frederic Barriere (*Institut des Sciences Chimiques de Rennes, University of Rennes 1, Rennes, France*)

[Continuum in Abiotic, Enzymatic and Microbial \(Bio\)-Electrocatalysis in Fuel Cells](#)

17:20 to 17:40

Galad Smith (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson

[Up-scaled, Single-Chambered, Photosynthetic Microbial Fuel Cells for In Situ Nutrient and Metal Remediation in Waste Water Streams](#)

17:40 to 18:00

Omer Yehezkeili (*Faculty of Biotechnology and Food Engineering, Technion, Haifa, Israel*)

[Enzyme-Based Photoelectrochemical Systems for Photobiocatalytic Processes](#)

18:00 to 18:20

Richard Bennett (*Biomolecular Electronics Research Laboratory, Chem Dept, National University of Ireland Galway, Galway, Ireland*), Donal Leech

[Approaches for improving enzyme electrode performance for application in biosensors and biofuel cells](#)

18:20 to 18:40

Robert Kostecki (*ESDR, LBNL, Berkeley, USA*), Erin B. Creel, Elizabeth R. Corson, Jeffrey J. Urban, Bryan D. McCloskey

[Directing selectivity of electrochemical carbon dioxide reduction](#)

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : Nosipho Moloto

14:00 to 14:40 Keynote

Artur Braun (*Functional Materials, Empa, Dübendorf, Switzerland*)

[Intermediates in PEC Water Oxidation. How They Come and How They Go](#)

14:40 to 15:00

Seyedsina Hejazi (*Institute of Surface Science and Corrosion (LKO), University of Erlangen-Nuremberg, Erlangen, Germany*), Shiva Mohajernia, Patrik Schmuki

[Intrinsic Cu nanoparticle decoration of TiO₂ nanotubes: A platform for efficient noble metal free photocatalytic H₂ production](#)

15:00 to 15:20

Xinsheng Zhang (*Chemical Engineering, East China University of Science and Technology, Shanghai, China*), Yongxiang Zhu, Shuozhen Hu

[The influence and understand of fluorine doping on photoelectrochemical water splitting property for hematite](#)

15:20 to 15:40

Fatemeh Davodi (*Chemistry and Materials, Aalto University, Espoo, Finland*), Fatemeh Davodi, Tanja Kallio

[Mechanistic Insights toward Design of Advanced Metal@C Electrocatalyst for both Alkaline and Acid media with Tunable Structure](#)

15:40 to 16:00

A. Wouter Maijenburg (*Center for Innovation Competence SiLi-nano, Martin Luther University Halle-Wittenberg, Halle (Saale), Germany*), Titus Lindenberg

[PEC-GC-coupled In-situ analysis of 3D-nanowire networks for photocatalytic water splitting](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Bruce Koel (*Department of Chemical and Biological Engineering, Princeton University, Princeton, USA*)

[Modified Oxide Catalyst Structures and Active Species for the Oxygen Evolution Reaction \(OER\)](#)

17:20 to 17:40 Invited

Sophia Haussener (*Mechanical Engineering, EPFL, Lausanne, Switzerland*)

[Thermal synergies in photo-electrochemical fuel processing – Concepts, designs and demonstrations](#)

17:40 to 18:00

Maxime Savoie (*Chemical and Process Engineering, University of Canterbury, Christchurch, New Zealand*), Vladimir Golvoko, Aaron Marshall

[Enhancing photoelectrochemical redox batteries by depositing gold nanoclusters on TiO₂ films](#)

18:00 to 18:20

Sabina Scarabino (*Chemistry Department, Carl von Ossietzky University of Oldenburg, Oldenburg, Germany*), Raffael Ruess, Derck Schlettwein, Gunther Wittstock

[Influence of additives on the dye regeneration in ZnO-based dye-sensitized solar cells \(DSSCs\) investigated with scanning electrochemical microscopy \(SECM\)](#)

18:20 to 18:40

Petr Krtil (*Low Dimensional Systems, J. Heyrovsky Institute of Physical Chemistry, Prague, Czech Republic*), Monika Klusáková, Roman Nebel, Katrina Macounová

[Photoelectrochemical Activity and Selectivity of Alkaline Earth Nanocubes](#)

Symposium 5 Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices

Room : 22-G

Chaired by : Sabrina Antonello, Renata Bilewicz, Munetaka Oyama and Gunther Wittstock

14:00 to 14:40 Keynote

Aicheng Chen (*Department of Chemistry, University of Guelph, Guelph, Canada*)

[Electroanalysis and Electrocatalysis of Gold Based Nanomaterials and Nanocomposites](#)

14:40 to 15:00 Invited

Munetaka Oyama (*Department of Material Chemistry, Kyoto University, Kyoto, Japan*)

[Noble Metals Modified Nickel Materials for Electroanalysis and Electrocatalysis](#)

15:00 to 15:20

Denis Oehl (*Analytical Chemistry - Center for Electrochemical Sciences, Ruhr-Universitaet Bochum, Bochum, Germany*), Stefan Barwe, David Franzen, Melanie Paulisch, Jan Clausmeyer, Stefan Dieckhoefer, Alexander Botz, Corina Andronescu, Ingo Manke, Thomas Turek, Wolfgang Schuhmann

[Nanoscale Studies Solve Macroscopic Problems: De- and Reactivation of Oxygen Depolarized Cathodes Under Process Conditions](#)

15:20 to 15:40

Aaron Marshall (*Department of Chemical and Process Engineering, University of Canterbury, Christchurch, New Zealand*), Hani Taleshi Ahangari, Shailendra Sharma, Vladimir Golovko

[Atomically Precise Gold Clusters for Electrocatalytic CO₂ Reduction](#)

15:40 to 16:00

Zhe Weng (*School of Chemical Engineering and Technology, Tianjin University, Tianjin, China*), Hailiang Wang

[Cu-based Electrocatalytic Reduction of CO₂ to Hydrocarbons](#)

16:00 to 16:20

Mila Krstajic Pajic (*Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia*), Sanja Stevanovic, Vuk Radmilovic, Piotr Zabinski, Nevenka Elezovic, Velimir Radmilovic, Snezana Gojkovic, Vladislava Jovanovic

[The Effect of Au in Shape-controlled Pt based Nanoparticles as Anodic Catalysts for Low-temperature Fuel Cells](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Gregor Zwachka (*Physical Chemistry Department, Fritz-Haber-Institut, Berlin, Germany*), Igor Nahalka, Arianna Marchioro, Yujin Tong, Sylvie Roke, R. Kramer Campen

[Imaging Oxygen Evolution Reaction Activity on Au\(poly\) Electrodes](#)

17:00 to 17:20

Abhishek Kumar (*Fundamental Chemistry, Sao Paulo University, Sao Paulo, Brazil*)

[Structure dependent electrocatalytic properties of nanoporous gold: A mechanistic study of ascorbic acid and dopamine electrode reactions kinetics](#)

17:20 to 17:40

Chima Benjamin Njoku (*Chemistry, North West University, Potchefstroom, South Africa*), Cobus Kriek

[A Robust and Efficient Ce_{0.8}Sr_{0.2}Co_xFe_{1-x}O_{3-δ} \(x = 0.2, 0.5, 0.8\) perovskite as electrocatalyst for application in the Oxygen Evolution Reaction in Alkaline Media](#)

17:40 to 18:00

Fatma Fezai (*Département Procédés Electrochimiques, Laboratoire de Génie Chimique, Université de Toulouse, Toulouse, France*), Pierre Gros, Martine Meireles, David Evrard

[Gold Nanoparticles Electrodeposition for Hg\(II\) trace Detection: Design and Optimization of a New Sensitive Electrochemical Sensor](#)

18:00 to 18:20

Lesego Gaolatlhe (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Physico-chemistry of cobalt-enriched and cobalt-starved metal organic framework \(MOF\)-derived electrode platforms for the detection of dopamine](#)

18:20 to 18:40

Kgotla Katlego Masibi (*Chemistry, North West University, Mafikeng, South Africa*), Omolola E Fayemi, Eno E. Ebenso

[Electrochemical determination of Caffeine at Electrodes modified with Polypyrrole and green synthesized bimetallic nanoparticles.](#)

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Kristina Edström and Alejandro Franco

14:00 to 14:40 Keynote

Arumugam Manthiram (*Materials Science and Engineering, University of Texas at Austin, Austin, USA*)

[Metal-sulfur Batteries with Practically Necessary Parameters](#)

14:40 to 15:00

Faezeh Makhlooghiyazad (*Institute for Frontier Materials, Deakin University, Melbourne, Australia*), Patrick Howlett, Maria Forsyth

[Novel solid-state sodium electrolytes based on organic ionic plastic crystals](#)

15:00 to 15:20

Marco-Tulio Fonseca Rodrigues (*Electrochemical Energy Storage, Argonne National Laboratory, Lemont, USA*), Kaushik Kalaga, Dennis Dees, Ilya Shkrob, Daniel Abraham

[Studying Extreme Fast Charging of Li-ion Batteries Using a Reference Electrode](#)

15:20 to 15:40 Invited

Bing Joe Hwang (*Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan*), Balamurugan Thirumalraj, Tesfaye Tekla Hagos, Chen-Jui Huang

[Chemistry of Lithium Metal Battery vs. Anode Free Lithium Metal battery](#)

15:40 to 16:00

Aura Tolosa (*Energy Materials Group, INM-Leibniz Institut für Neuen Materialien, Saarbrücken, Germany*), Volker Presser

[One-pot Synthesis of Electrospun Carbon/Metal Oxide Hybrid Fibers as Binder-free Electrodes for Lithium-ion Batteries](#)

16:00 to 16:20

Arlavinda Rezaqita (*Center for Low-Emission Transport, AIT Austrian Institute of Technology GmbH, Vienna, Austria*), Juergen Kahr, Marcus Jahn

[Understanding Gas Evolution on Si-containing Electrodes Processed from Aqueous Slurries](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Tajima Prize**Stefan Freunberger** (*Institute for Chemistry and Technology of Materials, Graz University of Technology, Graz, Austria*)[Oxygen Redox and Singlet Oxygen in Non-aqueous Battery Chemistries](#)

17:20 to 17:40

Bingwei Mao (*Chemistry Department, Xiamen University, Xiamen, China*), Weiwei Wang, Yu Gu, Shuai Tang, Junwu He, Hongyu Xu, Jiawei Yan[Rapid Assessment of Solid-Electrolyte Interphases on Lithium Anodes by Atomic Force Microscopy](#)

17:40 to 18:00

Jun Chen (*College of Chemistry, Nankai University, Tianjin, China*)[Selected Inorganic and Organic Electrode Materials for Rechargeable Batteries](#)

18:00 to 18:20

Oluwatosin Bankole (*School of Chemistry, Molecular Science Institute, University of the Witwatersrand, Johannesburg, South Africa*), Adewale Ipadeola, Lesego Gaolatlhe, Kenneth Ozoemena[Metal Organic Framework \(MOF\)-Derived Carbons as Bifunctional Electrocatalysts for Oxygen Reduction \(ORR\) and Evolution Reactions \(OER\)](#)

18:20 to 18:40 Invited

Mir F. Mousavi (*Chemistry, Tarbiat Modares University, Tehran, Iran*)[Synthesis of Nanostructured Materials for Sustainable Energy Storage](#)

Symposium 8 Sustainable Resources, Processes and Design of High Power Supercapacitors

Room : 11-CD*Chaired by : Pierre-Henri Aubert and Francesca Soavi*

14:00 to 14:20

Aleksandar Matic (*Department of Physics, Chalmers University of Technology, Gothenburg, Sweden*), Simon Lindberg, Marco Agostini, Patrik Johansson, Carmen Cavallo[New materials for high power and high energy devices](#)

14:20 to 14:40

Ncholu Manyala (*Physics, University of Pretoria, Pretoria, South Africa*), Faith Ochai-Ejeh, Damilola Momodu, Moshawe Madito, Kabir Oyedotun[Hybrid capacitors based on activated carbon and manganese-based oxide/layered double hydroxide](#)

14:40 to 15:00

Maral Hekmatfar (*Helmholtz Institute Ulm (HIU), Karlsruhe Institute of Technology (KIT), Ulm, Germany*), Ramtin Eghbal Shabgahi, Arianna Moretti, Stefano Passerini[Investigation of Electrolyte Additives on the Cathode/Electrolyte Interphase \(CEI\) Formed on LiNiMnCoO₂ \(NMC\)](#)

15:00 to 15:20

Assumpta Nwanya (*UNESCO-UNISA Africa Chair in Nanosciences-Nanotechnology, C, University of South Africa, Muckleneuk Ridge, South Africa*)[Zea mays lea silk mediated bio-synthesized NiO nanoparticles as cathode material for assymetry supercabattery](#)

15:20 to 15:40

Katlego Makgopa (*Chemistry, Tshwane University of Technology, Pretoria, South Africa*), Ntwanano Chauke, Cheslin Brink, Mpho Ratsoma

[Intrinsic Properties of Nanostructured Hausmannite Manganese Oxide, Cobalt and Manganese Phosphate Decorated on Carbon Supports for Supercapacitors Applications](#)

15:40 to 16:00

Yann Leroux (*Institut des Sciences Chimiques de Rennes, CNRS - Université de Rennes I, Rennes, France*), Philippe Hapiot, Yara Aceta

[Evaluation of Click Chemistry Coupling Reaction to Functionalize Activated Carbon materials for Charge Storage Applications.](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Pierre-Henri Aubert (*LPPI, University of Cergy-Pontoise, Cergy-Pontoise, France*), Thomas Vignal, Philippe Banet, Quentin Mestre, Mathieu Pinault, Martine Mayne-L'Hermite

[Poly\(3-methylThiophene\)/Vertically Aligned Carbon Nanotubes/Aluminium Nanocomposites Electrodes: Synthesis Electrochemical Characterizations and Devices](#)

17:00 to 17:20

Abdelaziz Gouda (*Materials Engineering, Ecole Polytechnique Montreal, Montreal, Canada*), Clara Santato

[On the Use of N₂-doped and Pristine CQDs to improve the storage performance of bio-sourced quinone-based electrodes](#)

17:20 to 17:40

Francesca Soavi (*Department of Chemistry Giacomo Ciamician, Alma Mater Studiorum University of Bologna, Bologna, Italy*), Federico Poli, Antonio Terella, Giovanni Emanuele Spina, Nicola Mancuso, Maria Letizia Focarete, Mehrdad Mashkour, Mostafa Rahimnejad, Damilola Momodu, Bridget Mutuma, Ncholu Manyala

[Natural binders and separators for green supercapacitors](#)

17:40 to 18:00

Qamar Abbas (*Institute for Chemistry and Technology of Materials, Graz University of Technology, Graz, Austria*), Patryk Przygocki, Vladimir Pavlenko, Bernhard Gollas

[Investigations of charge transfer at the positive electrode and enhanced capacitance of negative electrode for hybrid capacitor operating in redox active aqueous electrolyte](#)

18:00 to 18:20

Naiza Vilas-Bôas (*CCNH, Universidade Federal do ABC, Santo André, Brazil*), Sergio Machado, Marcelo Calegari, Mauro Santos

[Cation Doped Cryptomelane-Type Manganese Dioxide Nanorods With High Aspect Ratio Used as Supercapacitors Materials](#)

Symposium 12 The Electrochemical Technology for Water and the Environment for Social, Health and Economic Development

Room : 11-AB

Chaired by : Carlos Alberto Martínez-Huitle

14:00 to 14:40 Keynote

Emmanuel Mousset (*Laboratoire Réactions et Génie des Procédés (LRGP), CNRS, Nancy cedex, France*)

[Electrochemical Advanced Oxidation as Wastewater Treatment Technology – From Kinetics to Modeling and Engineering Aspects](#)

14:40 to 15:00

Romeu C. Rocha-Filho (*Department of Chemistry, Universidade Federal de São Carlos, São Carlos, Brazil*),
Naihara Wachter, Nerilso Bocchi

[Enhancement of Organics Electrooxidation in a Flow Reactor by the Optimization of the Hydrodynamic Conditions](#)

15:00 to 15:20

M.E. Henry Bergmann (*Electroengineering and Process Technology 6&7, Anhalt University, Koethen/Anh., Germany*)

[A technology for treating spent lubricants from wire drawing](#)

15:20 to 15:40

Ricardo Salazar (*Chemistry of Materials, University of Santiago of Chile, Santiago, Chile*)

[Electrochemical Raceway Pond Reactor: Performance and Degradation of Organic Pollutants](#)

15:40 to 16:00

Kanayo Oguzie (*Environmental Management, Federal University of Technology Owerri, Owerri, Nigeria*),
Emeka Oguzie

[Electrochemical degradation of dyes in aqueous solution](#)

16:00 to 16:20 Invited

Carlos Alberto Martínez-Huitle (*Institute of Chemistry, Federal University of Rio Grande do Norte, Natal, Brazil*), José Eudes Santos, Marco A. Quiroz, Djalma Ribeiro da Silva

[Cathodic hydrogen production by simultaneous oxidation of methyl red and 2,4-DNa aqueous solutions using Pb/PbO₂, Ti/Sb-doped SnO₂ and Si/BDD anodes](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00 Invited

Sergi Garcia-Segura (*School of Sustainable Engineering and the Built Environment, Arizona State University, Tempe, USA*), Paul Westerhoff

[Successful translation of electrochemical technologies into market: Identifying and overcoming barriers](#)

17:00 to 17:20

Ulli Kunz (*Institute of Chemical and Electrochemical Process Engineerin, Clausthal University of Technology, Clausthal-Zellerfeld, Germany*), Thorben Muddemann, Dennis Haupt, Michael Sievers

[Treatment of wastewater with electrochemical methods: Opportunities and side reactions that should be considered](#)

17:20 to 17:40

Zelda Neduvhuledza (*Chemistry, Rhodes University, Grahamstown, South Africa*)

[Electrochemical Investigation of Tertbutylphenoxy Phthalocyanine Complexes towards Oxidation of 4-Chlorophenol.](#)

Symposium 14 Molecular Electrochemistry: from Fundamentals to Applications

Room : 12-AB

Chaired by : Kevin Moeller

14:00 to 14:40 Keynote

Diane Smith (*Chemistry and Biochemistry, San Diego State University, San Diego, USA*), Hyejeong Choi, Mario Cedano, Ghazwan Darzi, Kyle Logan, Ahmed Elashmawy

[Electrochemically-Controlled Hydrogen Bonding: Complications and Opportunities Resulting from Proton Transfer](#)

14:40 to 15:00

Richard Webster (*School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore, Singapore*), Malcolm Tessensohn

[Using Voltammetry to Measure Hydrogen Bonding](#)

15:00 to 15:20

Adrian Enache (*National Institute of Materials Physics, Magurele, Romania*), Mihaela Bunea, Monica Enculescu, Victor Diculescu

[Redox Mechanism of Azathioprine and its Interaction with DNA](#)

15:20 to 15:40

Vinicius Del Colle (*Chemistry, Universidade Federal de Alagoas, Arapiraca, Brazil*), Juan Feliu, Hamilton Varela, Germano Tremiliosi-Filho

[Electrochemical Studies of Glycerol Electrooxidation Onto Pt Stepped Surfaces - Pt\(S\)\[*n*\(111 x 111\)\]](#)

15:40 to 16:00

Jeanet Conradie (*Chemistry, University of the Free State, Bloemfontein, South Africa*)

[Redox Behaviour of \[Ru\(*beta*-diketonato\)₃\] Complexes](#)

16:00 to 16:20

Irena Hoskovcova (*Department of Inorganic Chemistry, UCT Prague, Prague, Czech Republic*), Miroslava Guricova, Martin Pizl, Tomas Tobrman, Dalimil Dvorak

[Electrochemical Characterization of Fischer Carbene Complexes of Group 6 Metals Bearing Condensed Heterocyclic Substituents](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Jiri Ludvik (*Molecular Electrochemistry and Catalysis, J. Heyrovsky Institute of Physical Chemistry CAS, Prague 8, Czech Republic*), Ludmila Simkova

[Singlet Fission and Electrochemistry](#)

17:20 to 17:40 Invited

Jose H. Zagal (*Chemistry of Materials, University of Santiago de Chile, Santiago, Chile*)

[Does the Sabatier principle applies to the reactivity trends in electrocatalytic activity of MN₄ molecular catalysts? Hydrazine electro-oxidation](#)

17:40 to 18:00

Tankiso Ngake (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Jeanet Conradie, Johannes Hermanus Potgieter

[Voltammetry of Imino- \$\beta\$ -diketones](#)

18:00 to 18:20 Invited

Kouakou Boniface Kokoh (*Chemistry, Université de Poitiers / IC2MP, Poitiers, France*), Charly Lemoine, Yaovi Holade, Karine Servat, Claudia Morais, Teko Napporn

[Glucose Oxidation on Carbon Supported Electrode Materials in Alkaline Medium](#)

18:20 to 18:40

Emmie Chiyindiko (*Chemistry, University of Free State, Bloemfontein, South Africa*), Jeanet Conradie, Ernst Langner

[Electrochemical reduction of bis\(*n*-diketonato\)copper\(II\) compounds.](#)

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : Hector Abruna, Wei Chen, Robert Hillman and Bin Ren

14:00 to 14:40 Keynote

Brian Conway Prize for Physical Electrochemistry

Patrice Simon (*Materials Sciences, Université Paul Sabatier, Toulouse, France*)

[Following in Prof. Conway's footsteps: 3- and 2-Dimensional materials for \(super\)capacitive energy storage](#)

14:40 to 15:00

Zhong-Qun Tian (*Department of Chemistry, Xiamen University, Xiamen, China*), Yuan Fang, Yi-Fan Huang, Song-Yuan Ding, Jian-Feng Li, De-Yin Wu, Christian Amatore

[How can DFT and vibrational spectroscopies work synergistically to reveal electrochemical reactions and interfacial structures](#)

15:00 to 15:20

YuYe Tong (*Chemistry, Georgetown University, Washington, USA*), Eric G. Sorte, De-Jun Chen, Hamed Ataee-Esfahani

[Novel Operando NMR and IR Methods for Studying Battery Chemistries](#)

15:20 to 15:40 Invited

Olga Kasian (*Renewable Energies, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Dusseldorf, Germany*), Kevin Schweinar, Serhiy Cherevko, Baptiste Gault, Karl Mayrhofer

[Correlating Atomic Scale Structure with Reaction Mechanisms: Electrocatalytic Evolution of Oxygen](#)

15:40 to 16:00 Invited

Xiongwu Kang (*School of Energy and Environment, South China University of Technology, Guangzhou, China*), Zhiwei Guo, Jie Huang, Xusheng Zheng

[PdCu Alloy Nanoparticles Supported on CeO₂ Nanorods: Enhanced Electrocatalytic Activity by Synergy of PdO and Oxygen Vacancy](#)

16:00 to 16:20

Shen Ye (*Department of Chemistry, University of Tohoku, Sendai, Japan*), Qiling Peng, Hengxing Ji, Akihiro Morita

[Origin of the Overpotential for the Oxygen Evolution Reaction on a Well-defined Graphene Electrode Probed by in situ SFG Spectroscopy](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Robert Hillman (*Department of Chemistry, University of Leicester, Leicester, United Kingdom*), Asuman Unal, Hani Ismail, Robert Burrell, Karl Ryder

[Optimizing Internal Wetting of Nanostructured Composite Films Exposed to Media of Diverse Solvation Characteristics](#)

17:00 to 17:20 Invited

Katharina Krischer (*Physics Department, Technical University of Munich, Garching, Germany*), Antoine Bonnefont

[The Impact of a Global Constraint on Electrochemical Many Particle Systems with Coexisting States](#)

17:20 to 17:40

Jingyuan Chen (*Department of Applied Physics, University of Fukui, Fukui, Japan*), Koichi Aoki, Peng Tang, Keita Niwa

[A concept of double layer capacitance motivated by nanotechnology: Double layer impedance in mixture solutions](#)

17:40 to 18:00

Jiawei Yan (*Chemistry Department, Xiamen University, Xiamen, China*), Shuai Liu, Yunxin Zhong, Bingwei Mao

[Water at electrode-ionic liquid interfaces: a combined study using AFM force curve and electrochemistry](#)

18:00 to 18:20

Amanda Garcia (*Department of Sustainable Process and Energy Systems, TNO, Delft, Netherlands*), Thomas J. M. Touzalin, Marc Koper

[The effect of the cation towards oxygen evolution reaction on NiOOH electrocatalyst.](#)

18:20 to 18:40

Piret Pikma (*Institute of Chemistry, University of Tartu, Tartu, Estonia*), Carolin Siimenson, Liis Siinor, Enn Lust

[Electrochemical study of electrolyte | non-noble metal electrode interface for application in SMC measurements](#)

Tuesday, 6 August 2019

ROOMS:	MR 21-ABC	HALL 1	MR 11-CD	MR 12-AB	MR 12-CD	MR 11-AB	MR 21-DEF	MR 21-G	MR 22-ABC	MR 22-DEF	MR 22-G	
Plenary Lecture: Tebello Nyokong (Hall 1)												
08:15 - 09:15												
SYMPOSIUM	Masterclass	Symposium 3	Symposium 8	Symposium 14	Symposium 16	Symposium 12	Symposium 7	Symposium 1	Symposium 4	Symposium 2	Symposium 5	
09:30 - 09:50	Sir Fraser Stoddart	Jan Rossmeisl	Roberto M. Torresi	Wenjing Hong	Liwei Chen	Carlo Santoro	Shinichi Komaba	Maria Cuartero	Jerome Claverie	Haesik Yang	Salvatore Daniele	
09:50 - 10:10				Vladimir Azov		Iwona Gajda						Renata Bilewicz
10:10 - 10:30		Xinxin Xiao	E.P. Yambou	L. Tshwenya	N. Garcia-Araez	Molopo Lipali	Hamdi Ben Yahia	C. Brett	Hanna Sopha	A.O. Adesina	De-Yin Wu	
10:30 - 10:50		Serge Cosnier	Ove Oli	Guobao Xu	T. Rosser		Federico Bella	K. Rudnicki	Farai Dzilke	Mambo Moyo	S.C. de Torresi	
Coffee Break & POSTER SESSION 2												
10:50 - 12:20												
Lunch												
Council Meeting												
Lunch												
12:40 - 13:40												
SYMPOSIUM												
14:00 - 14:20	Ana Maria Oliveira-Brett	P. Fernández	G. Jerkiewicz	Yue Kuo	Ilias Belharouak	Kyle Smith	Philipp Adelhelm	Anthony Killard	R.A. Solarska	Fethi Bedioui	S. Passerini	
14:20 - 14:40		Colleen Jackson								Ping Yu	Xolani Ngema	
14:40 - 15:00		Safia Jilani	N. Shakibi Nia	Marco Musiani	Wen-Feng Lin	Jun Cheng	Unathi Sidwaba	Danya Snihirova	S. Flanagan	Moritz Kuehnel	Rosa Rego	R. McCreery
15:00 - 15:20		B.M. Stühmeier	I.A. Rutkowska	John Graves			Thabo Nkaki	P. Barpanda	Meining Zhang	Shiva Mohajernia	Lance Ho	
15:20 - 15:40		E.S. Davydova	J. Quinson	Falk Muench	Antonio Rodes	D. Abrahams	Yong Yang	Egor Andreev	S.N. Stamatini	Narshone Soda	Timo Jacob	
15:40 - 16:00		G. Braesch	Adrian Fortuin	Justus Masa	Christelle Gautier	Tybur Casuse	Edgar Ventosa	D. Silvester	Giovanni Zangari	M.T. Gebremdhin	C. Chen	
16:00 - 16:20			Daniel Guay	Wei-Nien Su	V.A. Saveleva		Renjie Chen	F. Geneste		M. Matoetoe	C. Andronescu	
16:20 - 16:40	Coffee Break											
16:40 - 17:00	Calabrese Barton	C. Lafforgue	Bruno Pollet	D. Scherson	Katsuyoshi Ikeda	Vieira dos Santos	Maria Forsyth	Lauro Kubota	Nosipho Moloto	Damien Arrigan	S. Skrzypek	
17:00 - 17:20		H.A. Miller			K.F. Domke	Jorge Vidal			Grace Ngubeni		Hengxing Ji	
17:20 - 17:40		Kenichiro Ota	G. T-Filho	S. Pané Vidal	Andrea Russell	D. Suk Han	Viktor Nilsson	M. Opallo	M. Komkova	S. Kuwabata	Jae Ho Shin	Ahmed Galal
17:40 - 18:00		Shelley Minter	Fabian Waidhas	Luca Magagnin	P.H Reinsberg	Usisipho Feleni	P. Johansson	M. Komkova	M. Komkova	Yong Zhou	Woonsup Shin	Dodzi Zigah
18:00 - 18:20		Shi-Gang Sun	Astrid Delorme	Ingrid Ponce	H. Makelane	Hiroki Nara	L. Tmkova	L. Tmkova	Clara Santato	Lanqun Mao	Yuxiao Ding	
18:20 - 18:40		Ludwig A Kibler	Enrico Bertero	Y. Tatevama	J-F Colin	Anca Aldea				C. Ozoemena	L. Landon-Lane	

Tuesday 6 August 2019 - Morning

Plenary

Room : Hall 1

Chaired by : Jose H. Zagal

08:15 to 09:15

Tebello Nyokong (*Rhodes University, Grahamstown, South Africa*)

[Methods of electrode surface modification using porphyrin-type molecules combined with nanomaterials](#)

Masterclass

Room : 21-ABC

Chaired by : Alison Downard

09:30 to 10:30

Sir Fraser Stoddart (*Department of Chemistry, Northwestern University, Evanston IL, USA*)

[Electrochemistry on the Hoof](#)

Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Room : 21-G

Chaired by : Ritu Katakya and Daniel Mandler

09:30 to 10:10 Keynote

Early Career Analytical Electrochemistry Prize of ISE Division 1

Sponsored by 

Maria Cuartero (*Department of Chemistry, KTH Royal Institute of Technology, Stockholm, Sweden*), Gaston A. Crespo

[Voltammetry Nanomembranes Coupled to Ferrocene Monolayers for Creatinine Detection](#)

10:10 to 10:30

Christopher Brett (*Department of Chemistry, University of Coimbra, Coimbra, Portugal*), Wanderson da Silva, Mariana Emilia Ghica

[Novel Sensor Platforms with Nanomaterial and Polymer-Modified Electrodes Prepared in Deep Eutectic Solvents](#)

10:30 to 10:50

Konrad Rudnicki (*Department of Inorganic and Analytical Chemistry, University of Lodz, Lodz, Poland*), Lukasz Póltorak, Slawomira Skrzypek, Ernst R.J. Sudhölter

[Ion Transfer Voltammetry for Analytical Screening of Veterinary Drugs at the Miniaturized Water - Oil Interface](#)

10:50 to 12:20

Poster session with coffee

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Room : 22-DEF

Chaired by : Damien Arrigan and Lanqun Mao

09:30 to 10:10 Keynote

Haesik Yang (*Department of Chemistry, Pusan National University, Busan, Korea*)

[Washing-Free Electrochemical Biosensors](#)

10:10 to 10:30

Abiola Olanike Adesina (*Chemistry, Rhodes University, Grahamstown, South Africa*), Philani Mashazi

[Electrochemical Impedimetric Immunobiosensor for the Direct and Indirect Detection of C-reactive Protein with Signal Amplification](#)

10:30 to 10:50

Mambo Moyo (*Chemical Technology, Midlands State University, Gweru, Zimbabwe*)

[Electrochemical Determination of Antibacterial Drugs in Aqueous Solutions Using An Electrode Modified with MWCNT Decorated with Fe₃O₄ Nanoparticles](#)

10:50 to 12:20

Poster session with coffee

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : Frederic Barriere

09:30 to 10:10 Keynote

Jan Rossmeisl (*Chemistry, University of Copenhagen, Copenhagen, Denmark*)

[Electro-Catalysis at the atomic scale](#)

10:10 to 10:30

Xinxin Xiao (*Department of Chemistry, Technical University of Denmark, Lyngby, Denmark*), Till Siepenkoetter, Edmond Magner, Jens Ulstrup, Jingdong Zhang

[Flexible nanoporous gold film based enzymatic biofuel cells for wearable biopower sources](#)

10:30 to 10:50 Invited

Serge Cosnier (*Molecular Chemistry Department UMR CNRS 5250, CNRS-University Grenoble-Alpes, Grenoble, France*)

[Innovative Electrical Wiring of Enzymes via Non-covalent Binding of Redox Mediators on Buckypapers and Organic Nanoparticles](#)

10:50 to 12:20

Poster session with coffee

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : *Bruce Koel*

09:30 to 10:10 Keynote

Jerome Claverie (*Chemistry, University of Sherbrooke, Sherbrooke, Canada*)

[Plasmonic Photocatalysts with Nanoparticles Free of Noble Metals](#)

10:10 to 10:30

Hanna Sopha (*Center of Materials and Nanotechnologies, University of Pardubice, Pardubice, Czech Republic*), Raul Zazpe, Milos Krbal, Jan Prikryl, Siowwoon Ng, Martin Motola, Jan M. Macak

[Superior Photocatalytic Activity of Anodic TiO₂ Nanotube Layers Coated with Secondary Materials using ALD](#)

10:30 to 10:50

Farai Dziike (*School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa*)

[Fabrication of Carbonized Semiconductor 2D nanocrystals materials for photocatalysis and photo-electrochemical applications](#)

10:50 to 12:20

Poster session with coffee

Symposium 5 Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices

Room : 22-G

Chaired by : *Aicheng Chen*

09:30 to 09:50 Invited

Salvatore Daniele (*Department of Molecular Sciences and Nanosystems, Cà Foscari University of Venice, Mestre-Venice, Italy*), Gregorio Bonazza, Dario Battistel, Franco Baldi

[Silver-exopolysaccharide Nanoparticles: Electrochemical Characterization and Activity towards Gram-positive and Gram-negative Bacteria](#)

09:50 to 10:10

Renata Bilewicz (*Faculty of Chemistry, University of Warsaw, Warsaw, Poland*), Michal Kizling, Maciej Dzwonek, Aleksandra Rekorajska, Agnieszka Wieckowska, Pawel Krysinski

[Gold nanoparticles for improving performance of enzymatic electrodes](#)

10:10 to 10:30

De-Yin Wu (*College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, China*), Meng Zhang, Rui Wang, Jian-Zhang Zhou, Zhong-Qun Tian

[Surface Plasmon Driven Chemical Reactions on Silver Electrodes of Nanostructures](#)

10:30 to 10:50

Susana Cordoba de Torresi (*Instituto de Quimica, Universidade de Sao Paulo, Sao Paulo, Brazil*), Rafael N.P. Colombo, Rodrigo Moreira, Dalva L.A. Faria

[Fast Production of a Low-Cost SERS Platform by Gold Electrodeposition on Porous Polymeric Templates](#)

10:50 to 12:20

Poster session with coffee

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Philipp Adelhelm and Doron Aurbach

09:30 to 10:10 Keynote

Shinichi Komaba (*Department of Applied Chemistry, Tokyo University of Science, Tokyo, Japan*), Tomooki Hosaka, Kei Kubota, Tatsuo Matsuyama, Ayumi Noda, Yuki Matsuda, Kazuhiko Ida, Shigenobu Denzumi

[Superconcentrated KFSa Solutions for Non-Aqueous and Aqueous Rechargeable Batteries](#)

10:10 to 10:30

Hamdi Ben Yahia (*Qatar Environment and Energy Research Institute (QEERI 2.0), Hamda Bin Khalifa University, Qatar Foundation, Doha, Qatar*), Alaa Alkhateeb, Rachid Essehli

[NaFe_{2-x}V_x\(PO₄\)\(SO₄\)₂ as Electroactive Material for Na-ion Batteries](#)

10:30 to 10:50

Federico Bella (*Department of Applied Science and Technology, Politecnico di Torino, Torino, Italy*), Francesca Colò, Giulia Piana, Marisa Falco, Elisa Maruccia, Gabriele Lingua, Lucia Fagiolari, Giuseppina Meligrana, Claudio Gerbaldi

[The Progressive Transition towards Solid Sodium Batteries: a Polymeric Approach](#)

10:50 to 12:20

Poster session with coffee

Symposium 8 Sustainable Resources, Processes and Design of High Power Supercapacitors

Room : 11-CD

Chaired by : Daniel Belanger and Irfan Habib

09:30 to 10:10 Keynote

Roberto M. Torresi (*Instituto de Química, Universidade de São Paulo, São Paulo, Brazil*), Vitor L. Martins, Thiago Obana

[Asymmetric Pseudo Capacitors Using Water-in-Salts as Electrolytes](#)

10:10 to 10:30

Emmanuel Pameté Yambou (*Chemical Technology, Poznan University of Technology, Poznan, Poland*), Barbara Górska, Vladimir Pavlenko, François Béguin

[Extending the operating temperature range of ionic liquid-based EDLCs down to -50 °C by implementing binary mixtures and carbons with optimised porous texture](#)

10:30 to 10:50

Ove Oll (*Institute of Chemistry, University of Tartu, Tartu, Estonia*), Jinfeng Zhao, Georg Gorbatovski, Thomas Thomberg, Enn Lust

[Effect of Alkali and Halide Ion Doping on the Capacitance Characteristics of Ionic Liquid based Supercapacitors](#)

10:50 to 12:20

Poster session with coffee

Symposium 12 The Electrochemical Technology for Water and the Environment for Social, Health and Economic Development

Room : 11-AB

Chaired by : Omotayo Arotiba

09:30 to 09:50 Invited

Carlo Santoro (*Bristol BioEnergy Centre, University of The West of England, Bristol, United Kingdom*), Alexis Walter, John Greenman, Francesca Soavi, Ioannis Ieropoulos

[Self-powered supercapacitive membraneless microbial fuel cell with air-breathing configuration](#)

09:50 to 10:10

Iwona Gajda (*Bristol BioEnergy Centre, University of the West of England, Bristol, United Kingdom*), Oluwatosin Obata, John Greenman, Ioannis Ieropoulos

[Electroosmotic Production of Clear Caustic Filtrate from Human Urine in Ceramic Microbial Fuel Cells](#)

10:10 to 10:30

Molopo Lipali (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson

[Enhancing bioremediation efficiency and power generation in Microbial Fuel Cells through exogenous addition of biological and chemical surfactants.](#)

10:50 to 12:20

Poster session with coffee

Symposium 14 Molecular Electrochemistry: from Fundamentals to Applications

Room : 12-AB

Chaired by : Jeanet Conradie

09:30 to 09:50 Invited

Wenjing Hong (*College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, China*)

[Electrochemical gating of quantum interference in single-molecule junctions](#)

09:50 to 10:10

Vladimir Azov (*Department of Chemistry, University of the Free State, Bloemfontein, South Africa*)

[Electrochemical Behavior of Tetrathiafulvalenes in Dynamic Molecular Systems](#)

10:10 to 10:30

Luthando Tshwenya (*Applied Chemistry, University of Johannesburg, Johannesburg, South Africa*), Omotayo Arotiba, Frank Marken

[Electrochemical Studies of a Curcumin Based Ionic Diode](#)

10:30 to 10:50

Guobao Xu (*State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, CAS, Changchun, China*), Pan Hui, Jianrui Sun, Tadesse Haile Fereja, Zhongyuan Liu, Yunhui Li

[Tris \(2,2'-bipyridyl\) ruthenium\(II\) Electrochemiluminescence of Some Oxygen-Containing Organic Additives in Food and Cosmetic](#)

10:50 to 12:20

Poster session with coffee

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : Katharina Krischer

09:30 to 10:10 Keynote

Liwei Chen (*I-Lab, Suzhou Institute of Nanotech and Nanobionics, CAS, Suzhou, China*), Yanbin Shen, Feng Guo, Zhenjie Cheng, Qingyu Dong

[Characterization of Electrode | Electrolyte Interfaces in Batteries](#)

10:10 to 10:30 Invited

Nuria Garcia-Araez (*Chemistry, University of Southampton, Southampton, United Kingdom*), Tom Homewood, James Frith, J. Padmanabham Vivek, Nieves Casañ-Pastor, Dino Tonti, John Owen

[Promoting the desired reactions in metal-oxygen/sulfur batteries using redox mediators and environmentally-friendly electrolytes](#)

10:30 to 10:50 Invited

Timothy Rosser (*National Physical Laboratory, National Physical Laboratory, Teddington, United Kingdom*), Jo J. L. Humphrey, Janyuan Xu, Xian-Kui Wei, Marc Heggen, Yury V. Kolen'ko, Andrew J. Wain

[Performance Enhancement of Cobalt Phosphide Oxygen Evolution Catalysts by Aluminium Doping: Insights from In Situ Raman Spectroscopy](#)

10:50 to 12:20

Poster session with coffee

TUESDAY AM

Tuesday 6 August 2019 - Afternoon

Masterclass

Room : 21-ABC

Chaired by : Alison Downard

14:00 to 15:45

Ana Maria Oliveira-Brett (*Department of Chemistry, University of Coimbra, Coimbra, Portugal*)

[Bioelectrochemical Approaches to Sensing Biomolecules](#)

Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Room : 21-G

Chaired by : Gaston A. Crespo and Marcin Opallo

14:00 to 14:20 Invited

Anthony Killard (*Department of Applied Sciences, University of the West of England, Bristol, United Kingdom*)

[Blood coagulation monitoring using QCM](#)

14:20 to 14:40

Ping Yu (*Institute of Chemistry, Institute of Chemistry, Beijing, China*)

[Electroactive Supramolecular Ionic Material for Biosensing and Electronic Device](#)

14:40 to 15:00

Shane Flanagan (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson

[Aptamer development against Plasmodium vivax lactate dehydrogenase for the selective detection of malaria subspecies.](#)

15:00 to 15:20

Meining Zhang (*Department of Chemistry, Renmin University of China, Beijing, China*)

[Minimizing Fouling of Microelectrode For in vivo Measurement](#)

15:20 to 15:40

Egor Andreev (*Chemistry Faculty, M.V. Lomonosov Moscow State University, Moscow, Russia*), Maria Komkova, Elena Karpova, Arkady Karyakin

[Sweat Lactate Detection by Prussian Blue Based Biosensors in Power Generation Mode](#)

15:40 to 16:00

Debbie Silvester (*School of Molecular and Life Sciences, Curtin University, Perth, Australia*), Junqiao Lee, Ghulam Hussain, Holly Yu

[Amperometric Gas Detection Using Planar, Low-Cost, Miniaturised Sensing Devices with Gelled Materials](#)

16:00 to 16:20

Florence Geneste (*Institut des Sciences Chimiques de Rennes, University of Rennes 1, Rennes, France*)

[Ti Catalyst Biomimetic Sensor for the Detection of Nitroaromatic Pollutants](#)

16:20 to 16:40

Coffee Break

16:40 to 17:20 Keynote**Lauro Kubota** (*Analytical Chemistry, Unicamp, Campinas, Brazil*)[Electrochemical Behavior of Superlattice films Based on DNA and Metal Nanoparticles](#)**17:20 to 17:40****Marcin Opallo** (*Electrode Processes, Institute of Physical Chemistry PAS, Warszawa, Poland*), Joanna Dolinska, Marcin Holdynski, Anna Rola-Noworyta[Electrochemical Detection of Metal Oxide Nanoparticles in Forced Convection Conditions](#)**17:40 to 18:00****Maria Komkova** (*Chemistry faculty, M.V. Lomonosov Moscow State University, Moscow, Russia*), Olga Ibragimova, Alexander Zarochintsev, Arkady Karyakin[Catalytically Synthesized Prussian Blue Nanoparticles Defeating Peroxidase: Application for Electroanalysis](#)**18:00 to 18:20****Libuse Trnkova** (*Department of Chemistry, Masaryk University, Faculty of Science, Brno, Czech Republic*), Iveta Triskova, Martin Kejik, Zdenek Moravec, Jan Hrbac[New Strategy in Electroanalysis: Elimination Voltammetry on Polymer Pencil Graphite Electrodes](#)**18:20 to 18:40****Anca Aldea** (*National Institute of Materials Physics, Str. Atomistilor 405A, Magurele, Romania*), Victor Diculescu, Alexandru Evangelidis, Elena Matei, Ionut Enculescu[Flexible Electrodes Based on Electrospun Metallized Fibers for Biomarkers Detection in Sweat](#)

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Room : 22-DEF*Chaired by : Fethi Bedioui and Haesik Yang***14:00 to 14:20 Invited****Fethi Bedioui** (*Institute of Chemistry for Life and Health Sciences i-CLeHS, Cnhimie ParisTech-PSL Universite / CNRS, Paris, France*), Gerson Duarte Junior, Abdulghani Ismail, Sophie Griveau, Fanny D'Orlye, Alberto Fracassi da Silva, Wendell Coltro, Anne Varenne[Integrated microfluidic device for the separation, decomposition and detection of low molecular weight S-nitrosothiols](#)**14:20 to 14:40****Xolani Ngema** (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Fanelwa Ajayi[Multifunctional electro active green method synthesized metal nanoparticles](#)**14:40 to 15:00****Rosa Rego** (*Chemistry, University of Trás-os-Montes e Alto Douro, Vila Real, Portugal*), Wasina Fins, Helena Gonçalves, António Valente, Cristina Antunes[Exploring Drug-DNA-Carbon Dots Binding for Electrochemical Sensing](#)**15:00 to 15:20****Lance Ho** (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson[The Specific Detection of Histamine by an Impedimetric Aptasensor](#)**15:20 to 15:40****Narshone Soda** (*School of Environment and Science, Griffith University, Brisbane, Australia*), Muhammad Umer, Nam-Trung Nguyen, Muhammad J.A. Shiddiky[Electrochemical and colorimetric detection of HOTAIR long non-coding RNA](#)

15:40 to 16:00

Merid Tessema Gebremdhin (*Chemistry, Addis Ababa University, Addis Ababa, Ethiopia*)[Highly Sensitive, Stable and Selective Hydrogen Peroxide Amperometric Biosensors Based on Peroxidases from Different Sources Wired by Os-Polymer: A Comparative Study](#)

16:00 to 16:20

Mangaka Matoetoe (*Chemistry, Cape Peninsula University of Technology, Cape Town, South Africa*), Takunda Gwuanzura[Gold zeolitic imidazolate organic framework composite biosensor for detection of epidermal growth factor](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Damien Arrigan (*School of Molecular and Life Sciences, Curtin University, Perth, Australia*), Hum Bahadur Lamichhane, Shaheda Zannah, Mark J. Hackett[Biomolecular Sensing via Electrochemistry at Oil-Water Interfaces](#)

17:20 to 17:40 Invited

Jae Ho Shin (*Chemistry, Kwangwoon University, Seoul, Korea*)[Continuous Interstitial Glucose Monitoring Sensors for In Vivo Evaluation in a Dog Model](#)

17:40 to 18:00

Woonsup Shin (*Department of Chemistry and BioMedical Engineering, Sogang University, Seoul, Korea*), Enhua Zhu, Kyu-Yeon Jun[The development of implantable intrathecal delivery system based on electroosmotic pump](#)

18:00 to 18:20 Invited

Lanqun Mao (*Institute of Chemistry, Institute of Chemistry, Chinese Academy of Sciences, Beijing, China*)[In Vivo Electrochemistry to Understand Physiological Roles of Ascorbate](#)

18:20 to 18:40

Ozoemena Celestine (*Biomedical Sciences, Tshwane University of Technology, Constantia Park, Pretoria, South Africa*)[Polyacrylonitrile Fibres as Efficient Electrode Materials for The Detection of Vibrio cholera Toxins in Samples](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1*Chaired by : Elena S. Davydova and Elisabeth Lojou*

14:00 to 14:20

Pablo Fernández (*Physical Chemistry, State University of Campinas, Campinas, Brazil*), Matheus Souza, Rafael Vicente, Victor Yukuhiro, Cléo Pires, William Cheuquepán, José Bott-Neto, José Solla-Gullón[Effect of Bi and Pb adatoms on the activity and selectivity of glycerol electrooxidation in alkaline media](#)

14:20 to 14:40

Colleen Jackson (*Chemistry, Imperial College London, London, United Kingdom*), Kieran Fahy, Anthony Kucernak[Catalysts for Electrochemical Hydrogen Purification and Compression](#)

14:40 to 15:00

Safia Jilani (*Department of Chemistry, Georgetown University, Washington D.C., USA*), De-Jun Chen, Carter Cohen, YuYe Tong[Investigation of the role of Ni and Cu in PtNiCu Catalysts for the Study of the Ethanol Oxidation Reaction](#)

15:00 to 15:20

Björn M. Stühmeier (*Chemistry and Catalysis Research Center, Technical University Munich, Garching, Germany*), Sören Selve, Manu U. M. Patel, Timon N. Geppert, Hubert A. Gasteiger, Hany A. El-Sayed

[Highly Selective Pt/TiO_x Catalysts for the Hydrogen Oxidation Reaction](#)

15:20 to 15:40

Elena S. Davydova (*Chemical Engineering Department, Technion - Israel Institute of Technology, Haifa, Israel*), Florian Speck, Serhiy Cherevko, Dario Dekel

[Stability of Nanosize Ni-Based Hydrogen Oxidation Reaction Electrocatalysts in Alkaline Media](#)

15:40 to 16:00

Guillaume Braesch (*LEPMI, UGA, CNRS, Grenoble-INP, Grenoble, France*), Alexandr G. Oshchepkov, Antoine Bonnefont, Elena R. Savinova, Marian Chatenet

[Controlling the State of Surface of Nickel to Maintain Optimal Borohydride Oxidation Reaction Performances](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00 Invited

Clemence Lafforgue (*LEPMI, Universite Grenoble Alpes, CNRS, Grenoble INP, Grenoble, France*), Frederic Maillard, Laetitia Dubau, Marian Chatenet

[Degradation of PGM-Based Carbon Supported Electrocatalysts in Alkaline Media Studied by in situ Fourier Transform Infrared Spectroscopy](#)

17:00 to 17:20

Hamish Andrew Miller (*ICCOM, CNR, Sesto Fiorentino, Italy*), Marco Bellini, Maria Vincenza Pagliaro, Andrea Marchionni, Jonathan Filippi, Evangelisti Claudio, Dario Dekel, Qingying Jia, Sanjeev Mukerjee, Lianqin Wang, John Robert Varcoe, Francesco Vizza

[Anion Exchange Membrane Fuel Cells: Enhanced Alkaline Hydrogen Oxidation Activity of Platinum-free Catalysts.](#)

17:20 to 17:40

Kenichiro Ota (*Green Hydrogen Research Center, Yokohama National University, Yokohama, Japan*), Takayuki Nagai, Koichi Matsuzawa, Yoshiyuki Kuroda, Shigenori Mitsushima, Akimitsu Ishihara

[Group 4 and 5 Metal Oxide Cathode Catalysts for Advanced PEFC](#)

17:40 to 18:00 Invited

Shelley Minteer (*Chemistry, University of Utah, Salt Lake City, USA*)

[Catalytic Cascades in Fuel Cell Applications](#)

18:00 to 18:40 Keynote

Scott Calabrese Barton (*Chemical Engineering & Materials Science, Michigan State University, East Lansing, USA*)

[The Impact of Biocatalysis on Current Fuel Cell Technology](#)

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : *Jerome Claverie*

14:00 to 14:40 Keynote

Renata Anna Solarska (*Centre of New Technologies, University of Warsaw, Warsaw, Poland*), Krzysztof Bienkowski, Michal Jadwiszczak, Adrian Dubiel

[Photo-Induced Charge Carriers Dynamics in Solar Semiconducting Systems](#)

14:40 to 15:00 Invited

Moritz Kuehnelt (*Department of Chemistry, Swansea University, Swansea, United Kingdom*)

[Solar fuel generation from water, waste and CO₂](#)

15:00 to 15:20

Shiva Mohajernia (*Institute of Surface Science and Corrosion (LKO), University of Erlangen-Nuremberg, Erlangen, Germany*), Seyedsina Hejazi, Patrik Schmuki

[Conductive Cu doped TiO₂ nanotubes for enhanced photoelectrochemical methanol oxidation and concomitant hydrogen generation](#)

15:20 to 15:40

Serban N. Stamatin (*3NanoSAE Research Centre, University of Bucharest, Magurele, Romania*), Vlad A. Antohe, Catalin Ceaus, Eugeniu Vasile, Stefan Antohe

[Bandgap design by application: a case study of graphitic carbon nitride](#)

15:40 to 16:00

Giovanni Zangari (*Materials Science and Engineering, University of Virginia, Charlottesville, USA*), Yin Xu

[Short-Time Electrodeposition of Ni/CoNi Hydroxides on GaAs under Growth-Inhibition Condition for Photoelectrochemical Water Splitting](#)

16:20 to 16:40

Coffee Break

16:40 to 17:20

Nosipho Moloto (*School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Sharon Mphahlele, Tshwarela Kolokoto, Mildred Airo

[Semiconductor nanocrystals as effective electrocatalysts](#)

18:40 to 19:00

Grace Ngubeni (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Robert Warmbier, Alex Quandt, Nosipho Moloto

[Metal chloride colloidal synthesis of semiconducting quaternary chalcogenides for application in photovoltaics](#)

17:40 to 18:00

Susumu Kuwabata (*Applied Chemistry, Graduate School of Engineering, Osaka University, Suita, Japan*), Taro Uematsu, Tomotaka Wajima, Wacharaporn Hoisang, Tatsuya Kameyama, Takahisa Yamamoto, Martin Vacha, Tsukasa Torimoto

[Improvement of Photoluminescence Property of Band-edge Emission from AgInS₂/Ga₂S₃ Core/shell Quantum Dots](#)

17:20 to 17:40

Yong Zhou (*School of Physics, Nanjing University, nanjing, China*), Congping Wu, Zhigang Zou

[Artificial Photosynthesis: Photocatalytic Conversion of CO₂ into Solar Fuels](#)

18:00 to 18:40 Keynote

Clara Santato (*Engineering Physics, Polytechnique Montreal, Montreal, Canada*), Abdelaziz Gouda

[Towards Green Solar Batteries](#)

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : *Federico Bella and Shinichi Komaba*

14:00 to 14:20 Invited

Philipp Adelhelm (*Institute of Technical Chemistry and Environmental Chemistry, Friedrich-Schiller-University Jena, Jena, Germany*), Thangavelu Palaniselvam, Mustafa Goktas, Lukas Medenbach, Wolfgang Brehm

[Negative electrodes for Na-ion batteries and solid-state batteries](#)

14:20 to 14:40

Montserrat Galceran (*Power Storage, Batteries and Supercaps, CIC energiGUNE, Miñano, Spain*), Carlos M. Berlanga, Marine Reynaud, Damien Saurel, Agnieszka Wizner, Jokin Rikarte, Maider Zarrabeitia, Iciar Monterrubio, Michel Armand, Teofilo Rojo, Montse Casas-Cabanas

[Exploring Advances in Polyanionic Compounds for Na-ion Batteries: Pathways from Cathode to Anode Materials](#)

14:40 to 15:00

Darya Snihirova (*Magnesium Innovation Centre-MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht, Germany*), Linqian Wang, Min Deng, Sviatlana V. Lamaka, Daniel Höche, Bahram Vaghefinazari, Mikhail L. Zheludkevich

[Tailoring the electrochemical activity of primary Mg aqueous batteries: anode and electrolyte perspective.](#)

15:00 to 15:20

Prabeer Barpanda (*Materials Research Centre, Indian Institute of Science, Bangalore, India*), Krishnakanth Sada, Baskar Senthilkumar

[Layered Sodium Manganese Oxide \(\$\text{Na}_2\text{Mn}_3\text{O}_7\$ \) As a Versatile Battery Insertion Material](#)

15:20 to 15:40 Invited

Yong Yang (*Chemistry, Xiamen University, Xiamen, China*)

[Toward highly reversible poly-anion cathode materials Na-ion batteries](#)

15:40 to 16:00

Edgar Ventosa (*Electrochemical Processes Unit, IMDEA Energy, Mostoles, Spain*), Teresa Paez, Jesús Palma

[Towards High-energy Alkaline Flow Batteries by Enabling Charge Storage in Solid Materials](#)

16:00 to 16:20

Renjie Chen (*School of Materials Science and Engineering, Beijing Institute of Technology, Beijing, China*), Nan Chen, Li Li, Feng Wu

[A Novel Organosilicon Groups Functionalized Ionic Liquid Electrolyte Boosts the Performance of Dendrite-Free Lithium Batteries](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Maria Forsyth (*Institute for Frontier Materials, Deakin University, Burwood, Australia*), Patrick C Howlett, Douglas R MacFarlane, David Mecerreyes, Asier Fernandez, Shammi A. Ferdousi, Michel Armand, Xiaoen Wang

[Ionic liquid electrolytes and ionogel composites that enable high capacity anodes for lithium and sodium batteries](#)

17:20 to 17:40

Viktor Nilsson (*Physics, Chalmers University of Technology, Gothenburg, Sweden*), Antonia Kotronia, Matthew Lacey, Kristina Edström, Patrik Johansson

[A highly concentrated non-volatile liquid electrolyte for Li metal cells](#)

17:40 to 18:00

Patrik Johansson (*Department of Physics, Chalmers University of Technology, Gothenburg, Sweden*), Damien Monti, Alexandre Ponrouch, Jan Bitenc, Alen Vizintin, Toshihiko Mandai, Niklas Lindahl, Muhammad Abdelhamid, Rafael Araujo, Robert Dominko, Rosa Palacin

[Promises, Problems and Proof-of-Concept for Ca and Al Batteries](#)

18:00 to 18:20

Hiroki Nara (*Research Organization for Nano & Life Innovation, Waseda University, Tokyo, Japan*), Tatsuro Sasaki, Hiroshi Senoh, Masahiro Shikano, Hikari Sakaebe, Toshiyuki Momma, Tetsuya Osaka

[Electrochemical Impedance Spectroscopy Analysis of FeF₃ Cathode for Lithium-ion Battery in Initial Discharge and Charge](#)

18:20 to 18:40

Jean-Francois Colin (*CEA, LITEN, Univ. Grenoble Alpes, Grenoble, France*), David Peralta, Adrien Boulineau, Carole Bourbon, Jean-Frederic Martin, Jean-Baptiste Ducros

[Use Of Metal Fluoride Coatings To Enhance Disordered Li-Rich Material Performances](#)

Symposium 9 Electro-physical Chemistry and Application of Platinum Group Metals

Room : 11-CD

Chaired by : Jessica Chamier

14:00 to 14:40 Keynote

Gregory Jerkiewicz (*Chemistry, Queen's University, Kingston, Canada*)

[Platinum Electrochemistry and Electrocatalysis. From Hydrogen Adsorption to Platinum Dissolution](#)

14:40 to 15:00

Niusha Shakibi Nia (*Physical Chemistry, Innsbruck University, Innsbruck, Austria*), Alessandro Martucci, Gaetano Granozzi, Julia Kunze-Liebhäuser

[TiO_xC_y Supported Pt Catalysts for Anodic Ethanol Electrooxidation at Intermediate Temperature](#)

15:00 to 15:20

Iwona A. Rutkowska (*Department of Chemistry, University of Warsaw, Warsaw, Poland*), Anna Wadas, Pawel J. Kulesza

[Specific Interactions Between Noble Metals, their Alloys and Metal Oxide Supports in Efficient Oxidative Electrocatalysis](#)

15:20 to 15:40

Jonathan Quinson (*Chemistry, University of Copenhagen, Copenhagen, Denmark*), Francesco Bizzotto, Jan Bucher, Masanori Inaba, Alessandro Zana, Matthias Arenz

[Surfactant-free syntheses of precious metal nanoparticles for improved \(electro\)catalysts](#)

15:40 to 16:00

Adrian Fortuin (*School of Chemistry, University of Birmingham, Birmingham, United Kingdom*), Guenther G. Scherer, Pieter Levecque

[Studying Pt Dissolution on Carbon Surfaces using the Electrochemical Quartz Crystal Nanobalance](#)

16:00 to 16:20 Invited

Daniel Guay (*Energie, Matériaux Télécommunication, INRS, Varennes, Canada*)

[On the use of well-defined model systems in electrocatalysis: the case of NH₃ oxidation](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Bruno Pollet (*Energy and Process Engineering, Norwegian University of Science and Technology (NTNU), Trondheim, Norway*)

[Power Ultrasound for the Fabrication of Fuel Cell and Electrolyser Catalysts and Low PGM Loading Electrodes](#)

17:20 to 17:40 Invited

Germano Tremiliosi-Filho (*Institute of Chemistry of Sao Carlos, University of Sao Paulo, Sao Carlos, Brazil*), Pablo Fernandez, Camilo A. Angelucci, Giuseppe A. Camara, Juarez F. L. Da Silva

[Establishing a link between well-ordered low-index Pt\(hkl\) surfaces and real catalyst systems: The case of the electro-oxidation of glycerol](#)

17:40 to 18:00

Fabian Waidhas (*Interface Research and Catalysis, Friedrich-Alexander University Erlangen-Nuremberg (FAU), Erlangen, Germany*), Maximilian Kastenmeier, Corinna Stumm, Sandra Haschke, Peyman Khanipour, Gabriel Sievi, Maria Montero, Lukas Fromm, Andreas Göring, Julien Bachmann, Ioannis Katsounaros, Karl Mayrhofer, Peter Wasserscheid, Olaf Brummel, Jörg Libuda

[Secondary Alcohols as Rechargeable Electrofuels: Electrooxidation of 2-Propanol at Pt-Based Electrodes](#)

18:00 to 18:20

Shi-Gang Sun (*Chemistry, Xiamen University, Xiamen, China*), Na Tian, Zhi-You Zhou, Yan-Xia Jiang, Rui Huang, Chun-Hua Zhen

[Structure Design and Controlled Synthesis of Platinum Electrocatalyst of Nanocrystals with High-Surface Energy and High-Activity](#)

18:20 to 18:40 Invited

Ludwig A. Kibler (*Institute of Electrochemistry, Ulm University, Ulm, Germany*), Areeg Abdelrahman, Johannes M. Hermann, Timo Jacob

[Surface Dynamics, Adsorption and Electrocatalysis: A Comparison of Au\(111\) with Platinum Group Metals](#)

Symposium 10 New Concepts and Opportunities in Electrochemical Synthesis: Fundamentals, Methods and Applications

Room : 12-AB

Chaired by : Giovanni Zangari

14:00 to 14:40 Keynote

Yue Kuo (*Thin Film Nano & Microelectronics Research Laboratory, Texas A&M University, College Station, USA*)

[Opportunities of Electrochemical Reaction Applications in Solid State Devices and Circuits Fabrication](#)

14:40 to 15:00

Marco Musiani (*ICMATE, CNR, Padova, Italy*), Lidia Armelao, Sandro Cattarin, Nicola Comisso, Paolo Guerriero, Luca Mattarozzi, Marzio Rancan, Lourdes Vazquez-Gomez, Enrico Verlato

[Investigation on the oxide-oxide galvanic displacement reactions employed in the preparation of electrocatalytic layers](#)

15:00 to 15:20

John Graves (*Institute for Future Transport and Cities, Coventry University, Coventry, United Kingdom*), Nurul Omar, Simon Weale, Alan Greenwood

[A Novel Procedure for the Preparation of Copper Nanowires and Nanomeshes](#)

15:20 to 15:40

Falk Muench (*Department of Materials and Earth Sciences, Technische Universität Darmstadt, Darmstadt, Germany*), Aleksei Solomonov, Tatyana Bendikov, Leopoldo Molina-Luna, Israel Rubinstein, Alexander Vaskevich

[Electroless Plating of Silver Nanoparticle Films with Controlled Particle Size and Areal Density: Production of Plasmonic Transducers for DNA Biosensing](#)

15:40 to 16:00

Justus Masa (*Analytical Chemistry - Center for Electrochemical Sciences, Ruhr-University Bochum, Bochum, Germany*)

[Elucidation of the mechanisms of electrochemical activation of nickel boride water splitting electrocatalysts through potential cycling](#)

16:00 to 16:20

Wei-Nien Su (*Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology, Taipei, Taiwan*), Tan-Thanh Huynh, Meng-che Tsai, Chun-Jern Pan, Bing-Joe Hwang

[Synergetic Electrocatalytic Activities Towards Direct Synthesis of Hydrogen Peroxide: the Ordered Structure of PdNi Bimetallic Nanocatalysts](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Daniel Scherson (*Chemistry, Case Western Reserve University, Cleveland, USA*)

[The Electrocatalytic Properties of Underpotential Deposited Metals for the Reduction of Selenate in Aqueous Electrolytes.](#)

17:20 to 17:40

Salvador Pané Vidal (*Mechanical & Process Engineering / Multi-Scale Robotics Lab, ETH Zurich, Zurich, Switzerland*)

[Electrodeposited Nanowires for Nanorobotic Applications](#)

17:40 to 18:00

Luca Magagnin (*Chimica, Materiali e Ing. Chimica, Politecnico di Milano, Milan, Italy*), Gabriele Panzeri, Matteo Cristina, Gianlorenzo Bussetti

[Electrodeposition of photoactive semiconductors for photoelectrochemical water splitting: production of Cu₂O/CuO with non-noble catalysts for improved photocurrent and stability](#)

18:00 to 18:20

Astrid Delorme (*Chemistry, The University of Nottingham, Nottingham, United Kingdom*), Darren Walsh, Peter Licence, Victor Sans

[TEMPO and RTILs for the sustainable development of TEMPO-mediated Alcohol Electrooxidation](#)

18:20 to 18:40

Enrico Bertero (*Laboratory for Mechanics of Materials and Nanostructures, Empa, Thun, Switzerland*), Cristina V. Manzano, Patrik Schürch, Johann Michler, Laetitia Philippe

[FeCrNi stainless-steel electrodeposition of coatings and micro-nano components from a “green” Cr\(III\)-based mixed solvent electrolyte](#)

TUESDAY PM

Symposium 12 The Electrochemical Technology for Water and the Environment for Social, Health and Economic Development

Room : 11-AB

Chaired by : *Ricardo Salazar*

14:00 to 14:40 Keynote

ISE-Elsevier Prize for Applied Electrochemistry

Kyle Smith (*Mechanical Science and Engineering, University of Illinois at Urbana-Champaign, Urbana, USA*), Aniruddh Shrivastava, Erik Reale, Sizhe Liu

[Understanding and Controlling Reaction and Transport Mechanisms in Prussian Blue Analogues for Faradaic Deionization](#)

14:40 to 15:00

Unathi Sidwaba (*Nanotechnology and Water Sustainability Research Unit, College of Science, Engineering and Technology (UNISA), Johannesburg, South Africa*), Usisipho Feleni, Emmanuel Iwuoha, Bhekie B. Mamba

[Membrane-based Electrosorptive Detection of Non-steroidal Anti-inflammatory Drugs in Water](#)

15:00 to 15:20

Thabo Nkaki (*Chemistry, Rhodes University, Grahamstown, South Africa*), Samson Khene, Philani Mashazi

[Synthesis, Spectroscopic and Electrochemical Characterization of Benzyl Thio Substituted Phthalocyanines for Application in Electrocatalytic Detection of 4-Chlorophenol in Water](#)

15:20 to 15:40

Dhielnawaaz Abrahams (*Chemical Science, University of the Western Cape, Cape town, South Africa*), Priscilla Baker

[Electro-Analytical Protocols for determining Polyphenols in Winery Cellar Effluent](#)

15:40 to 16:00

Tybur Casuse (*Civil, Construction and Environmental Engineering, University of New Mexico, Albuquerque, USA*)

[Electrochemical Detection of Arsenite with chemically deposited gold nanoparticles and vapor deposited film electrodes](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Elisama Vieira dos Santos (*School of Science and Technology, Federal University of Rio Grande do Norte, Natal, Brazil*), Déborah. C. Andrade, João M. M. Henrique, Vãtor j.p. Vilar, Carlos A. Martínez-Huitle

[Remediation of soil polluted with hydrocarbons using reactive barrier and electrokinetic remediation](#)

17:00 to 17:20

Jorge Vidal (*Facultad de Química Analítica e Inorgánica, Universidad de Chile, Santiago, Chile*), Manuel Rodrigo, Pablo Cañizares, Cristina Saez, Ricardo Salazar, Vicente Navarro

[Electro-remediation of contaminated soil with Clopyralide using permeable reactive barriers of ZVI](#)

17:20 to 17:40

Dong Suk Han (*Center for Advanced Materials, Qatar University, Doha, Qatar*), Sun Hee Yoon, Nimir Elbashir, Hyunwoong Park

[Application of Nanostructured Titania for Renewable Energy Production and Water Treatment](#)

17:40 to 18:00

Usisipho Feleni (*Nanotechnology and Water Sustainability Research Unit, University of South Africa, Johannesburg, South Africa*)

[Tin Telluride Quantum Dot-Functionalised Membrane Reactor for the Removal of Emerging Pharmaceutical Contaminants from Domestic Wastewater](#)

18:00 to 18:20

Hlamulo Makelane (*Department of Chemistry, Nelson Mandela University, Port Elizabeth, South Africa*), Emmanuel Iwuoha

[Second Harmonic Alternating Current Voltammetric Dendritic Copolymer Electrode Signalling of Pyrene in Oil-Polluted Wastewater](#)

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : *Helmut Baltruschat, Xiongwu Kang and Ingrid Ponce*

14:00 to 14:40 Keynote

Ilias Belharouak (*Energy and Transportation Science Division, Oak Ridge, USA*), Marissa Wood, Zhijia Du, Jianlin Li, David L. Wood

[Surface and bulk and Stability of Aqueous-Processed Ni-Rich NMC Cathode Materials](#)

14:40 to 15:00

Wen-Feng Lin (*Department of Chemical Engineering, Loughborough University, Loughborough, United Kingdom*), Yafeng Chen, Dan Gayton, Alex Symillidis, Xiao Lin, Tian Sheng, Zhi-You Zhou, Shi-Gang Sun

[Combined Studied of Variable-temperature in-situ FTIR Spectroscopy and DFT Atomistic Modeling on Electrocatalysis for Direct Alcohol Fuel Cells](#)

15:00 to 15:20

Jun Cheng (*Chemistry, Xiamen University, Xiamen, China*), Jia-Bo Le, Lang Li

[Ab initio modeling of electric double layers on single crystal electrodes](#)

15:20 to 15:40 Invited

Antonio Rodas (*Institute of Electrochemistry, University of Alicante, Alicante, Spain*), William Cheuquepán, José Manuel Orts

[In situ Infrared and DFT Studies on Adsorption and Reactivity Processes at Metal Electrodes](#)

15:40 to 16:00

Christelle Gautier (*Chemistry, MOLTECH-Anjou - Université d'Angers, Angers, France*), Sihame Bkhach, Olivier Aleveque, Marius Cesbron, Tony Breton, Eric Levillain

[Spectroelectrochemical Characterization of Redox Nanomaterials: an Asset to Understand Structure-Property Relationships at the Interface](#)

16:00 to 16:20

Viktoriia A. Saveleva (*Electrochemistry Laboratory, Paul Scherrer Institut, Villigen PSI, Switzerland*), Kathrin Ebner, Lingmei Ni, Ulrike I. Kramm, Andrea Zitolo, Jingkun Li, Frederic Jaouen, Grigory Smolentsev, Olga V. Safonova, Maarten Nachtegaal, Thomas J. Schmidt, Juan Herranz

[X-ray Emission Spectroscopic Studies of the Spin State of Iron in Fe/N/C Catalysts](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00 Invited

Katsuyoshi Ikeda (*Department of Physical Science and Engineering, Nagoya Institute of Technology, Nagoya, Japan*)

[Low-frequency SERS spectroscopy for in-situ and simultaneous observation of both sides of electrochemical interfaces](#)

17:00 to 17:20 Invited

Katrin F. Domke (*Molecular Spectroscopy, MPI for Polymer Research, Mainz, Germany*)

[Operando Raman Nanoscopy: Watching Electrochemical Surface Reactivity with EC-TERS](#)

17:20 to 17:40

Andrea Russell (*School of Chemistry, University of Southampton, Southampton, United Kingdom*), Alexander Keeler

[Electrochemical SERS Studies of Functionalised Thiophenol Self-Assembled Monolayers](#)

17:40 to 18:00

Philip Heinrich Reinsberg (*Institute for Physical and Theoretical Chemistry, University of Bonn, Bonn, Germany*)

[SEIRAS Investigation of the Influence of the Cation on the Electrochemical Double Layer in Non-Aqueous Electrolytes](#)

18:00 to 18:20

Ingrid Ponce (*Ciencias del Ambiente, Universidad de Santiago de Chile, Santiago, Chile*), Ruben Oñate, Ana Pizarro, Gabriel Abarca, Cristian Gutiérrez-Ceron, J. Francisco Silva, Diego Cortés-Arriagada, José H. Zagal

[Electron Transport versus Inductive Effects on the Electrocatalytic Action of Self-assembled Iron Phthalocyanine](#)

18:20 to 18:40

Yoshitaka Tateyama (*GREEN, National Institute for Materials Science (NIMS), Tsukuba, Japan*), Shota Iizuka, Keisuke Natsui, Yasuaki Einaga

[Theoretical Study on Termination Dependent Redox Reactivity of Boron-Doped Diamond / Water Interface](#)

Symposium 20 Carbon - A Starring Role in Electrochemistry

Room : 22-G

Chaired by : Timo Jacob and Stefano Passerini

14:00 to 14:40 Keynote

Stefano Passerini (*Helmholtz Institute Ulm, Karlsruhe Institute of Technology, Ulm, Germany*), Xinwe Dou, Ivana Hasa

[Hard Carbons for Sodium-Ion Batteries: Structure, Analysis, Sustainability and Electrochemistry](#)

14:40 to 15:20 Keynote

Richard McCreery (*Chemistry, University of Alberta, Edmonton, Canada*), Anna Farquhar, Scott Smith, Mustafa Supur

[Hybrid Carbon/Graphene Electrodes for Energy Storage in Supercapacitors](#)

15:20 to 15:40 Invited

Timo Jacob (*Institute of Electrochemistry, Ulm University, Ulm, Germany*), Maximilian Eckl, Palanisamy Krishnaveni, Maximilian Cebelin, Daniel Gaißmaier, Hagar Hassan, Ahmed Galal

[Carbon-based electrodes for metal deposition and electrocatalysis](#)

15:40 to 16:00

ChangGuo Chen (*College of Chemistry and Chemical Engineering, Chongqing University, Chongqing, China*)

[The Application of Hydrogen Substituted Graphyne in Lithium-sulfur Battery](#)

16:00 to 16:20

Corina Andronesu (*Chemical Technology III, Faculty of Chemistry, University Duisburg-Essen, Duisburg, Germany*), Ariadni Apostoleri, Swapnil Varhade, Dulce Morales, Justus Masa

[Non-noble metal nanoparticles embedded in N-doped carbon matrices as alcohol oxidation electrocatalysts](#)

16:20 to 16:40 Coffee Break

16:40 to 17:00 Invited

Slawomira Skrzypek (*Department of Inorganic and Analytical Chemistry, University of Lodz, Faculty of Chemistry, Lodz, Poland*), Karolina Sipa, Mariola Brycht, Andrzej Leniart

[Improved Electroanalytical Characteristics for the Determination of Nitroxinil in the Presence of Nanomaterials](#)

17:00 to 17:20 Invited

Hengxing Ji (*Applied Chemistry, University of Science and Technology of China, Hefei, China*), Zhenzhen Du

[Cobalt in Nitrogen-Doped Graphene as Single-Atom Catalyst for High-Sulphur Content Lithium-Sulphur Batteries](#)

17:20 to 17:40 Invited

Ahmed Galal (*Faculty of Science, Cairo University, Giza, Egypt*), Hagar Hassan, Nada Atta, Timo Jacob

[Metal-Based Perovskites/Reduced Graphene Hybrids for Energy Storage Applications](#)

17:40 to 18:00

Dodzi Zigah (*Institute of Molecular Science, University of Bordeaux, Bordeaux, France*), Malinee Niamlaem, Chompunuch Warakulwit, Oranit Phuakkong, Alexander Kuhn, Valérie Ravaine

[Wireless Synthesis of Thermoresponsive Nanostructured Janus Carbon Materials using Bipolar Electrochemistry](#)

18:00 to 18:20

Yuxiao Ding (*Heterogeneous Reactions, Max-Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*)

[An In-situ Formed Carbon-based Anode System for Water Splitting](#)

18:20 to 18:40

Leatham Landon-Lane (*Chemical and Process Engineering, University of Canterbury, Christchurch, New Zealand*), Aaron Marshall, Alison Downard

[Understanding Kinetic Performance of Carbon Felt Electrodes for Redox Batteries Using Individual Carbon Fibre Electrodes](#)

Wednesday, 7 August 2019

ROOMS:	MR 21-ABC	HALL 1	MR 11-CD	MR 12-AB	MR 12-CD	MR 11-AB	MR 21-DEF	MR 21-G	MR 22-ABC	MR 22-DEF	MR 22-G
08:15 - 09:15	Plenary Lecture: <u>Peter G Bruce (Hall 1)</u>										
SYMPOSIUM	Masterclass	Symposium 3	Symposium 3b	Symposium 15	Symposium 16	Symposium 11	Symposium 7	Symposium 18	Symposium 4	Symposium 2	Symposium 6
09:30 - 09:50	Patrick Unwin	A. Kucernak	Miguel Duarte	Thomas Turek	Jian-Feng Li	M. Zheludkevich	Doron Aurbach	T. Nohira	Ladislav Kavan	Chenzhong Li	David Waldeck
09:50 - 10:10		Natalia Levin	M.S.A. Balogun	C. Emereuwa					Mahmood Akbari	Morten Bertz	
10:10 - 10:30		Javier Recio	Adam Weber	Philippe Mandin	Naoya Nishi	S. Virtanen	I. Mokhosi	T. Ouchi	Penny Mathumba		Lital Alfonta
10:30 - 10:50		P. Wilde		Michael Busch	Elizabeth Santos	Stefano Rossi	R. Hempelmann	Adam Powell			Isao Shitanda
10:50 - 12:20	Electrochimica Acta / ISE author workshop	Coffee Break & POSTER SESSION 3									

Wednesday 7 August 2019 - Morning

Plenary

Room : Hall 1

Chaired by : Ozoemena Ken

08:15 to 09:15

Peter G. Bruce (*Departments of Chemistry and Materials, University of Oxford, Oxford, United Kingdom*)

[Oxygen Redox Electrochemistry - The Future of Lithium Batteries?](#)

Masterclass

Room : 21-ABC

Chaired by : Fabian Ezema

09:30 to 10:30

Patrick Unwin (*Department of Chemistry, University of Warwick, Coventry, United Kingdom*)

[Electrochemical Imaging: Why and how?](#)

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Room : 22-DEF

Chaired by : Priscilla Baker and Xolani Ngema

09:30 to 09:50 Invited

Chenzhong Li (*Biomedical Engineering, Florida Intl University and Liaocheng University, Miami, USA*), Ming Hong, Qiaoli Yue, Xia Li, Yanhua Ma, Seyedeh Mozneb

[Machine Learning Instigated Electrical Biomedical Sensors for Neuron Biomarkers Analysis: from Single Neuron to Brain Slice](#)

09:50 to 10:10

Morten Bertz (*Research Organization for Nano & Life Innovation, Waseda University, Shinjuku, Japan*), Masahiro Yanagisawa, Masahiro Kunitomo, Takayuki Homma

[Chemical Recognition Based on Deep Convolutional Neural Networks and Surface-enhanced Raman Spectroscopy](#)

10:50 to 12:20

Poster session with coffee

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : Anthony Kucernak

09:30 to 09:50 Invited

Anthony Kucernak (*Department of Chemistry, Imperial College London, London, United Kingdom*), L. Lin, K. Fahy, M. Laitz, C. Zalitis

[Performance of electrocatalysts at high overpotentials for the HOR and ORR reactions – towards an understanding of the limiting factors](#)

09:50 to 10:10

Natalia Levin (*Inorganic Spectroscopy, Max Planck Institute for Chemical Energy Conversion, Muelheim an der Ruhr, Germany*), Thomas Weyhermüller, Olaf Rüdiger, Serena DeBeer

[In situ X-Ray Spectroelectrochemical Investigation on a Ru-based Water Oxidation Catalyst](#)

10:10 to 10:30

F. Javier Recio (*Química Inorgánica, Universidad Católica de Chile, Santiago de Chile, Chile*)

[High Active Fe-N-C Electrocatalyst For ORR Using Fe₃O₄ Nanoparticles As Template](#)

10:30 to 10:50

Patrick Wilde (*Analytical Chemistry, Ruhr-Universitaet Bochum, Bochum, Germany*), Stefan Dieckhoefer, Martin Trautmann, Yen-Ting Chen, Tobias Loeffler, Wolfgang Schuhmann, Justus Masa

[Formation of NixP@NiOx Core-Shell Heterostructures on Nickel Phosphide Particles for Oxygen Evolution Reaction - a Welcome Blessing or an Unavoidable Curse?](#)

10:50 to 11:10

[Coffee Break](#)

WEDNESDAY AM

Symposium 3b Fuel Cells, Biofuel Cells and Electrolyzers

Room : 11-CD

Chaired by : Angel Caravaca

09:30 to 09:50

Miguel Duarte (*Research Group Advanced Reactor Technology, University of Antwerp, Antwerp, Belgium*), Bert de Mot, Jonas Hereijgers, Tom Breugelmans

[Electrochemical Reduction of CO₂ – Effect of Convective CO₂ supply in Gas Diffusion Electrodes](#)

09:50 to 10:10

Muhammad-Sadeeq Adetunji Balogun (*College of Materials Science and Engineering, Hunan University, Changsha, China*), Hongbing Ji, Yexiang Tong

[Flexible Monolithic Electrocatalysts for Alkaline Electrolyzers](#)

10:10 to 10:30

Adam Weber (*Energy Technologies Area, Lawrence Berkeley National Laboratory, Berkeley, USA*), Lien-Chun Weng, Lalit Pant, Anamika Chowdhury, Alexis Bell

[Impact of Transport in Gas-Diffusion-Electrode Performance](#)

10:50 to 12:20

Poster session with coffee

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : Renata Anna Solarska

09:30 to 09:50

Ladislav Kavan (*Electrochemical Materials, J. Heyrovsky Institute of Physical Chemistry, Prague, Czech Republic*)

[Semiconductor thin films for electron- and hole-selective interfaces in photovoltaics](#)

09:50 to 10:10

Mahmood Akbari (*College of Graduate Studies, UNISA, Somerset West, South Africa*), Malik Maaza, Mohammed Kamruddin, Lebosans Kotsedi, Aiman Bashir, Razieh Morad

[Electrical Transport Properties of Vertical-Oriented Graphene Grown on Different Substrates](#)

10:10 to 10:30

Penny Mathumba (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Emmanuel Iwuoha

[Band gap engineered graphene quantum dots \(GQDs\) with potential for application as donor materials in solar cells](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 6 Advances in Bioelectrochemistry

Room : 22-G

Chaired by : Isao Shitanda and David Waldeck

09:30 to 10:10 Keynote

Bioelectrochemistry Prize of ISE Division 2

David Waldeck (*Chemistry, University of Pittsburgh, Pittsburgh, USA*)

[Electron Charge and Spin Transfer in Films of Biomolecules](#)

10:10 to 10:30

Lital Alfonta (*Life Sciences and Chemistry, Ben-Gurion University of the Negev, Beer-Sheva, Israel*), Eden Ozer, Itay Algov, Dror Aizik

[Designer Electroactive Bacteria](#)

10:30 to 10:50 Invited

Isao Shitanda (*Department of Pure and Applied Chemistry, Tokyo University of Science, Noda, Japan*)

[Interfacial Design and Electrochemical Analysis of Printable Porous Carbon Inks for Improvement of Biofuel Cell Performance](#)

10:50 to 12:20

Poster session with coffee

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Philipp Adelhelm and Stefano Passerini

09:30 to 10:10 Keynote

Doron Aurbach (*Chemistry, Bar-Ilan university, Ramat-Gan, Israel*)

[The Challenge of Large Energy Storage](#)

10:10 to 10:30

Itumeleng Mokhosi (*Chemistry, Wits University, Johannesburg, South Africa*), Kenneth Ozoemena

[Synthesis of Fluorine- and Ceria-Doped Lithium Manganese Oxide Spinel Cathode Material for Lithium-ion Batteries](#)

10:30 to 10:50

Rolf Hempelmann (*Transfercentre Sustainable Electrochemistry, Saarland University, Saarbrücken, Germany*),
Frederik Philippi, Daniel Rauber

[Boosting Transport Properties of Phosphonium and Guanidinium Ionic Liquids](#)

10:50 to 12:20

Poster session with coffee

Symposium 11 The Science, Technology and Engineering of Corrosion

Room : 11-AB

Chaired by : Nadine Pebere

09:30 to 10:10 Keynote

Mikhail Zheludkevich (*MagIC - Magnesium Innovation Center, Helmholtz-Zentrum Geesthacht, Geesthacht, Germany*), Sviatlana Lamaka, Daniel Höche, Maria Serdechnova, Carsten Blawert, Bahram Vaghefinazari,
Darya Snihirova

[Active Modulators of Mg Surface Reactivity: from Corrosion Control to Primary Batteries](#)

10:10 to 10:30

Sannakaisa Virtanen (*Materials Science, University of Erlangen-Nuremberg, Erlangen, Germany*)

[Biocompatible Coatings for Mg Alloys](#)

10:30 to 10:50

Stefano Rossi (*Industrial Engineering, University of Trento, Trento, Italy*), Marielle Eyraud, Luciana Volgare

[The influence of electrolyte and treatment parameters on the properties of nanotubes obtained on Ti6Al4V titanium alloy substrate](#)

10:50 to 12:20

Poster session with coffee

Symposium 15 Computational Electrochemistry and Simulation: from Prediction of Properties to Optimization of Devices

Room : 12-AB

Chaired by : Alejandro Franco

09:30 to 09:50

Thomas Turek (*Chemical and Electrochemical Process Engineering, Clausthal University of Technology, Clausthal-Zellerfeld, Germany*), Ulrike Krewer, Ingo Manke, Melanie Paulisch, Philip Kunz, Ulrich Nieken, Christina Roth, Wolfgang Schuhmann, Tanja Vidakovic-Koch

[Experimental and Model-Based Characterization of Gas-Diffusion Electrodes for Oxygen Reduction](#)

09:50 to 10:10

Chigoziem Emereuwa (*Department of Mathematics and Applied Mathematics, University of Pretoria, Pretoria, South Africa*), Mamadou Sango

[Homogenization of a stochastic model of flow through porous media](#)

10:10 to 10:30

Philippe Mandin (*Lorient Institute of Technology, Thermal and Energy Dpt, Université de Bretagne Sud/ IRDL UMR CNRS 6027, Lorient, France*)

[Electrodes Two-phase boundary layers multiphysics modelling in a hydrodynamic alkaline water electrolyzer](#)

10:30 to 10:50

Michael Busch (*Department of Chemistry and Molecular Biology, University of Gothenburg, Gothenburg, Sweden*)

[Exploring the Limits of Water Oxidation](#)

10:50 to 12:20

Poster session with coffee

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : Wen-Feng Lin

09:30 to 10:10 Keynote

Jian-Feng Li (*Department of Chemistry, Xiamen University, Xiamen, China*), Jin-Chao Dong, Hua Zhang

[Probing Surface Reactions and Intermediates using In Situ Raman Spectroscopy](#)

10:10 to 10:30

Naoya Nishi (*Department of Energy and Hydrocarbon Chemistry, Kyoto University, Kyoto, Japan*)

[Neutron reflectometry as a probe of the electrical double layer in ionic liquids](#)

10:30 to 10:50

Elizabeth Santos (*Institut of Theoretical Chemistry, Ulm University, Ulm, Germany*), María Fernanda Juárez, Paola Quaino, Renat Nazmutdinov

[Interfacial architecture of graphene – potential applications in an electrochemical environment](#)

10:50 to 12:20

Poster session with coffee

Symposium 18 Electrochemistry and Mining: Minerals and Metal Processing

Room : 21-G

Chaired by : Antoine Allanore

09:30 to 10:10 Keynote

Toshiyuki Nohira (*Institute of Advanced Energy, Kyoto University, Uji, Japan*), Kouji Yasuda, Yutaro Norikawa, Tatsuya Ide, Tomonori Kato, Airi Kondo

[Electrodeposition of Si, Ti and W in Molten KF-KCl and CsF-CsCl](#)

10:10 to 10:30 Invited

Takanari Ouchi (*Institute of Industrial Science, The University of Tokyo, Tokyo, Japan*), Chenyi Zheng, Lingxin Kong, Toru H. Okabe

[Electrochemical Deoxidation of Titanium in Molten Mixtures of Magnesium Chloride and Rare-Earth Chlorides](#)

10:30 to 10:50 Invited

Adam Powell (*Mechanical Engineering, Worcester Polytechnic Institute, Worcester, USA*), Yan Wang, Uday Pal

[Metal Processing for a Sustainable Future](#)

10:50 to 11:10

Moussa Bougouma (*Laboratoire de chimie des matériaux et de l'environnement, Université Norbert Zongo, Koudougou, Burkina Faso*), Claudine Buess-Herman, Thomas Doneux, Fousséni Soma, Quentin Rayée

[Recovery of Precious Metals by use of Non-traditional Electrolytes](#)

10:50 to 12:20

Poster session with coffee

Thursday, 8 August 2019

ROOMS:	MR 21-ABC	HALL 1	MR 11-CD	MR 12-AB	MR 12-CD	MR 11-AB	MR 21-DEF	MR 21-G	MR 22-ABC	MR 22-DEF	MR 22-G
Plenary Lecture: Wolfgang Schuhmann (Hall 1)											
08:15 - 09:15											
SYMPOSIUM	Masterclass	Symposium 3	Symposium 3b	Symposium 15	Symposium 16	Symposium 11	Symposium 7	Symposium 18	Symposium 4	Symposium 17	Symposium 6
09:30 - 09:50	Marc Koper	Ziba Rajan	A. Yaremchenko	W. Schmickler	H. Balltruschat	A.W. Hassel	Michael Dippon	Jochen Petersen	David Fermin	Tetsuya Osaka	Lo Gorton
09:50 - 10:10		Mavis Lewis	C. Chen	Gustav Avall	Cigdem Toparli	F. Di Franco	Jie Ding	Chalwe Chibwe	S.B Mdluli		
10:10 - 10:30		Thomas Kadyk	Csaba Janaky	A.K. Lautar	I. Diez Perez	Sachiko Ono	Jochen Joos	Y. Fukunaka	H.H. Tesfay	Simon Bechtel	P. Gorostiza
10:30 - 10:50		S. Radhakrishnan	A. Bagger	Andrew Wang	A. Patel	Sungmo Moon	H. Teng	A. Allanore	Kang Shi	Balázs Endrodi	M. Grattieri
10:50 - 11:10	Coffee Break										
GENERAL ASSEMBLY											
11:10 - 12:10											
12:40 - 13:40	Lunch	Division 1 Meeting		Division 2 Meeting	Division 3 Meeting	Division 4 Meeting	Division 5 Meeting	Division 6 Meeting	Division 7 Meeting		
SYMPOSIUM	Masterclass	Symposium 3	Symposium 3b	Symposium 15	Symposium 19	Symposium 11	Symposium 7	Symposium 13	Symposium 21	Symposium 17	Symposium 6
14:00 - 14:20	Hector Abruna	Nagahiro Hoshi	L. Baumgartner	L. von Kolzenberg	Bin Ren	Herman Terryn	F. La Mantia	Daniel Belanger	Marc Tesch	Philip Bartlett	Christine Kranz
14:20 - 14:40		J. K-Liebhäuser	A.C. Ngandjong	A.C. Ngandjong					Kai S. Exner	G.G. Botte	
14:40 - 15:00	Pieter Leveque	Takuya Masuda	Guoxiong Wang	Adrian Schmidt	Jing-Juan Xu	Benjamin Wilson	A. Michaelis	A. Downard	R. Gonçalves	Tsuyoshi Hoshino	Gilbert Noell
15:00 - 15:20		Marion Scohy	Minoru Umeda	Florian Baakes	V. M. Mirsky	Nadine Pebere	Tony Breton	M.C. Soult	Bhavana Gupta	Zulin Wang	Elisabeth Lojou
15:20 - 15:40		Toshihiro Kondo	Jia-Jia Chen	N.E. Benti	Frederic Kanoufi	Annick Hubin	A. Walcarius	Anna Freiberg	B.-B. Hargula	Dongping Zhan	A. Oleinick
15:40 - 16:00		A.L. R.Cárdenas	Guenter Schiller	Phuti Ngoepe	Weilin Xu	D.J. Blackwood	Stefan Oswald	González-Orive	Derek Esau	Hai-Chao Xu	K. Takeda
16:00 - 16:20		Zhi-You Zhou	C.F. Yan	Emiliano Primo	Bin Su	L. Murulana	Taek Dong Chung	M. Zukaova	Ji-Hyung Han	Michael Zirbes	Modupe Ogunlesi
16:20 - 16:40	Coffee Break										
16:40 - 17:00		M. Heinzmann	S. Shanmugam	S. Steinmann	Yi-Tao Long	Jelena Bajat	Catia Arbizzani	Jean Pinson	Samson Khene	Phumlani Mjwana	Priscilla Baker
17:00 - 17:20		Martin Prokop	Junyuan Xu	Shengli Chen	Bernard Tribollet	Bernard Tribollet	Julia Amici		P.V. Narangoda	Kirsi Yliniemi	A.J. Gross
17:20 - 17:40		P. Madus Ejikeme	Wei Xing	A. Mavrantoukakis	Wojciech Nogala	David Williams	Guozhen Liu	Naamo Suzuki	Yanling Qi	R. Latsuzbala	Fred Lisdat
17:40 - 18:00		Caren Billing	K. Nagasawa	Adebayo Adeniyi	V. Goncales		Philani Mashazi	Faduma Maddar	Christina Roth		Felipe Conzuelo
18:00 - 18:20								Tomas Syrový			Seiya Tsujimura
18:20 - 18:40										Alexandra Teodor	
19:00	Banquet										

Thursday 8 August 2019 - Morning

Plenary

Room : Hall 1

Chaired by : *Zhong-Qun Tian*

08:15 to 09:15

Wolfgang Schuhmann (*Center for Electrochemical Sciences; Faculty of Chemistry, Ruhr University Bochum, Bochum, Germany*)

[From bioelectrocatalysis to electrocatalysis. A contribution to sustainability of energy provision](#)

Masterclass

Room : 21-ABC

Chaired by : *Andrea Russell*

09:30 to 10:45

Marc Koper (*Leiden Institute of Chemistry, Leiden University, Leiden, Netherlands*)

[Electrocatalysis](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : *Paul Pearce*

09:30 to 09:50

Ziba Rajan (*HySA/Catalysis Centre of Competence, University of Cape Town, Cape Town, South Africa*), Tobias Binninger, Rhiyaad Mohamed

[IrOx Supported on Antimony-Doped Tin Oxide as A High-Performing Electrocatalyst For the Oxygen Evolution Reaction](#)

09:50 to 10:10

Mavis Lewis (*Chemical Engineering, Catalysis Institute, University of Cape Town, Cape Town, South Africa*), Jessica Chamier

[Niobium-doped Titania as a Nanofibre Support for Iridium Oxide in Reversal Tolerant Anodes in Polymer Electrolyte Fuel Cells: The effect of dopant concentration on catalyst performance](#)

10:10 to 10:30

Thomas Kadyk (*Department of Chemistry, Simon Fraser University, Burnaby, Canada*), Michael Eikerling

[Bubble Formation at Porous Electrodes](#)

10:30 to 10:50

Shankara G. Radhakrishna (*Chemistry, University of Pretoria, PRETORIA, South Africa*), Kayode Adesina Adegoke, Emil Roduner

[Electrochemical Reduction of Formic Acid at a Metal Oxide Cathode](#)

10:50 to 11:10 Coffee Break

Symposium 3b Fuel Cells, Biofuel Cells and Electrolyzers

Room : 11-CD

Chaired by : *Aleksey Yaremchenko*

09:30 to 09:50

Aleksey Yaremchenko (*Department of Materials and Ceramic Engineering, CICECO - Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal*), Blanca Arias-Serrano, Kiryl Zakharchuk, Jorge Frade

[Composite \$\text{LnNiO}_3\text{+PrOx}\$ Oxygen Electrodes for Solid Oxide Cells](#)

09:50 to 10:10

Chusheng Chen (*Department of Materials Science and Engineering, University of Science and Technology of China, Hefei, China*)

[Solid oxide electrochemical cells supported on the air electrode with large straight open pores and catalyst-coated surfaces](#)

10:10 to 10:30

Csaba Janaky (*Department of Physical Chemistry and Materials Science, University of Szeged, Szeged, Hungary*), Dorottya Hursan, Angelika Samu

[Carbon-dioxide Reduction on N-doped Carbon Electrodes: Structure-activity-stability Relationships.](#)

10:30 to 10:50

Alexander Bagger (*Department of Chemistry, University of Copenhagen, Copenhagen, Denmark*), Jan Rossmeisl

[The electrochemical \$\text{CO}_2\$ reduction reaction: Understanding the selectivity of the Cu catalyst.](#)

10:50 to 11:10 Coffee Break

Symposium 4 Renewable Energy and Photo-Electrochemistry

Room : 22-ABC

Chaired by : *Ladislav Kavan*

09:30 to 09:50

David Fermin (*School of Chemistry, University of Bristol, Bristol, United Kingdom*), Devendra Tiwari

[Bismuth-based Solar Absorbers for Solar Energy Conversion](#)

09:50 to 10:10

Siyabonga Beizel Mdluli (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Morongwa Emmanuel Ramoroka, Suru Vivian John, Emmanuel Iwuoha

[Novel Core-Shell Electroresponsive 3-Dimensional Poly\(propylenethiophenoimine\)-co-Poly\(3,4-ethylenedioxythiophene\) Dendritic Star Copolymers: Synthesis and Photophysical Properties](#)

10:10 to 10:30

Hayelom Hiluf Tesfay (*Chemistry, University of the Western cape, Cape Town, South Africa*), Emmanuel Iwuoha

[Characteristics of \$\text{Cu}_2\text{Zn}_{1-x}\text{FeSnS}_4\$ Nano-crystalline Kesterite Material towards thin Film PV Cell Application.](#)

10:30 to 10:50

Kang Shi (*Department of Chemistry, Xiamen University, Xiamen, China*), Huiqin Hu, Liangliang Zhang, Yanzheng Xu

[Photoelectrochemical Etching for Preparing UltrasMOOTH Gallium Nitride Surface in Acidic Electrolyte](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 6 Advances in Bioelectrochemistry

Room : 22-G

Chaired by : Pau Gorostiza and Lo Gorton

09:30 to 10:10 Keynote

Lo Gorton (*Department of Biochemistry, Lund University, Lund, Sweden*)

[Wiring of Bacterial Cells to Electrodes through Redox Polymers](#)

10:10 to 10:30 Invited

Pau Gorostiza (*NPNS, ICREA & Institute for Bioengineering of Catalonia, Barcelona, Spain*)

[Electrochemical Tunneling Spectroscopy to Study Charge Transport in Redox Proteins](#)

10:30 to 10:50

Matteo Grattieri (*Chemistry and Materials Science & Engineering, University of Utah, Salt Lake City, USA*),
Erin M. Gaffney, Shelley D. Minter

[Unveiling and Artificially Increasing Purple Bacteria Salt-Tolerance: from Biological to Engineering Approaches](#)

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Fabio La Mantia and Stefano Passerini

09:30 to 09:50

Michael Dippon (*Institute for Applied Materials, Karlsruher Institute of Technology (KIT), Karlsruhe, Germany*), Dennis Wyszka, André Weber, Ellen Ivers-Tiffée

[Advanced lifetime analysis of CCCV and pulse-charging routines for li-ion batteries](#)

09:50 to 10:10

Jie Ding (*Land Division, Defence Science & Technology Department of Defence, Melbourne, Australia*), Bussell Tim Wang Caiyun, Shu Kewei Ge Yu

[Shear Thickening Electrolyte Functions as Both Battery and Protection Materials](#)

10:10 to 10:30

Jochen Joos (*Institute for Applied Materials (IAM-WET), Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany*), Adrian Schmidt, Andre Weber, Ellen Ivers-Tiffée

[Analyzing the Microstructure of Lithium Ion Battery Cathodes by using Tomography Methods](#)

10:30 to 10:50

Hsisheng Teng (*Chemical Engineering, National Cheng Kung University, Tainan, Taiwan*), Ramesh Subramani, Yu-Hsien Tseng, Sheng-Shu Hou

[Combination of Solid-Oxide Pellet and Gel Polymer as Electrolyte for Quasi-Solid Lithium-Ion Batteries](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 11 The Science, Technology and Engineering of Corrosion

Room : 11-AB

Chaired by : Mikhail Zheludkevich

09:30 to 09:50

Achim Walter Hassel (*CD-Lab. COMBOX and TIM, Johannes Kepler University Linz, Linz, Austria*), Khurram Shazad, Cezarina Cela Mardare, Jan Philipp Kollender, Andrei Ionut Mardare

[Preparation of aluminium lanthanoid alloy material libraries and their electrochemical properties](#)

09:50 to 10:10

Francesco Di Franco (*Dipartimento di Ingegneria, Università degli Studi di Palermo, Palermo, Italy*), Luca Bottini, Fabrizio Vitale, Domenico La Monica, Michele Curioni, Monica Santamaria

[Anodizing and post-anodizing treatments for enhancing corrosion resistance of Al Alloys](#)

10:10 to 10:30

Sachiko Ono (*Department of Applied Chemistry, Kogakuin University, Tokyo, Japan*)

[Influence of Impurity Element Copper on Morphology of Porous Anodic Films on Aluminum](#)

10:30 to 10:50

Sungmo Moon (*Surface Technology Division, Korea Institute of Materials Science, Changwon, Korea*)

[Arc Generation Behavior During Anodic Oxidation of Aluminum Alloys in Aqueous Solutions](#)

Symposium 15 Computational Electrochemistry and Simulation: from Prediction of Properties to Optimization of Devices

Room : 12-AB

Chaired by : Krishna Bisetty

09:30 to 09:50

Wolfgang Schmickler (*Theoretical Chemistry, Ulm University, Ulm, Germany*), Fernanda Juarez, Fabiola Domingo-Flores, Leila Mohammadzadeh, Elizabeth Santos, Paola Quaino, Aleksej Goduljan

[Violating Coulomb's Law: An apparent attraction between \$\text{Li}^{\pm}\$ ions mediated by carbon nanotubes](#)

09:50 to 10:10

Gustav Avall (*Department of Physics, Chalmers University of Technology, Gothenburg, Sweden*), Patrik Johansson

[Solvation Shell Structure and Dynamics in Lithium-ion and Sodium-ion Battery Electrolytes from Ab Initio Molecular Dynamics](#)

10:10 to 10:30

Anja Kopac Lautar (*Department of Materials Chemistry, National Institute of Chemistry, Ljubljana, Slovenia*), Tomaz Rejec, Robert Dominko, Jean-Sébastien Filhol, Marie-Liesse Doublet

[Modeling of the Potential-Dependent Reactivity of Mg/Electrolyte Interfaces](#)

10:30 to 10:50

Andrew Wang (*Engineering Science, University of Oxford, Oxford, United Kingdom*), Charles Monroe

[Characterization of Solvent-in-Salt Electrolytes with Consideration for Solute-Volume Effects](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 16 Spectroscopy, Microscopy and Theory for the Rational Design of Electrochemical Interfaces

Room : 12-CD

Chaired by : Katrin F. Domke

09:30 to 09:50

Helmut Baltruschat (*Institute for Physical and Theoretical Chemistry, University of Bonn, Bonn, Germany*),
Ahmed S. Shatla, Inhee Park, Philip Heinrich Reinsberg

[The Interface of Single Crystal Electrodes in Aprotic Solvents: Point of Zero Charge and Ionic Adsorption](#)

09:50 to 10:10

Oronzio and Niccolò De Nora Foundation Young Author Prize

Cigdem Toparli (*Nuclear Science and Engineering, Massachusetts Institute of Technology, Cambridge, USA*),
Andreas Erbe, Bilge Yildiz

[Investigation of Electrochemical Interfaces for H₂ production](#)

10:10 to 10:30

Ismael Diez Perez (*Chemistry, Kings College London, London, United Kingdom*)

[Engineering Bioinspired Tunnelling Junctions](#)

10:30 to 10:50

Anisha Patel (*WMG, University of Warwick, Coventry, United Kingdom*), Faduma Maadar, Melanie Loveridge

[Real-Time Operando SEM Investigation into Lithium Ion Battery Degradation](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 17 Electrochemical Technologies for Sustainable and Advanced Manufacturing

Room : 22-DEF

Chaired by : Gerardine G. Botte; and Hai-Chao Xu

09:30 to 10:10 Keynote

Tetsuya Osaka (*Research Organization for Nano and Life Innovation, Waseda University, Tokyo, Japan*), Keishi Ohashi, Daikichi Mukoyama

[Trial of realization of electrochemical nanotechnologies to advanced manufacturing](#)

10:10 to 10:30

Simon Bechtel (*Process Systems Engineering, Max Planck Institute Magdeburg, Magdeburg, Germany*), Adam Weber, Tanja Vidakovic-Kocha, Kai Sundmachera

[Electrochemical Gas Phase Oxidation of Hydrogen Chloride to Chlorine: Model-based Analysis of Transport and Reaction Mechanisms](#)

10:30 to 10:50

Balázs Endrodi (*Department of Physical Chemistry and Materials Science, University of Szeged, Szeged, Hungary*), Nina Simic, Mats Wildlock, Ann Cornell

[Electrochemical Selectivity in the Industrial Production of Sodium Chlorate](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 18 Electrochemistry and Mining: Minerals and Metal Processing

Room : 21-G

Chaired by : Takanari Ouchi

09:30 to 09:50

Jochen Petersen (*Chemical Engineering, University of Cape Town, Rondebosch, South Africa*), Buhle Manana, Rahul Ram

[Study of the Diffusion of Cu\(I\)/Cu\(II\) through Simulated Particle Pores in an Electrochemical Model System](#)

09:50 to 10:10

Chalwe Chibwe (*Department of Process Engineering, Stellenbosch University, Stellenbosch, South Africa*), Margreth Tadie

[Influence of Electrolyte Composition on Electrodeposition of Copper](#)

10:10 to 10:30 Invited

Yasuhiro Fukunaka (*Research Institute of Nano Life Innovation, Waseda University, Tokyo, Japan*)

[Mass Transfer Rate along Gas Evolving Electrode](#)

10:30 to 10:50 Invited

Antoine Allanore (*Materials Science and Engineering, Massachusetts Institute of Technology, Cambridge, USA*)

[Electrochemical Extraction of Metals in Molten Sulfides](#)

10:50 to 11:10

[Coffee Break](#)

THURSDAY AM

Thursday 8 August 2019 - Afternoon

Masterclass

Room : 21-ABC

Chaired by : Andrea Russell

14:00 to 15:00

Hector Abruna (*Dept. of Chemistry and Chemical Biology, Cornell University, Ithaca, USA*)

[Applications of electrocatalysis](#)

15:00 to 15:45

Pieter Levecque (*Department of Chemical Engineering, University of Cape Town, Rondebosch, South Africa*)

[Polymer Electrolyte Fuel Cells and Electrolyzers as models for electrochemical engineering principles](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : Nagahiro Hoshi

14:00 to 14:40 Keynote

Nagahiro Hoshi (*Department of Applied Chemistry and Biotechnology, Chiba University, Chiba, Japan*),
Masashi Nakamura

[Hydrophobic Species Activating the Oxygen Reduction Reaction on Single Crystal Electrodes of Pt](#)

14:40 to 15:00

Takuya Masuda (*Research Center for Advanced Materials and Characterization, National Institute for Materials Science, Tsukuba, Japan*), Yuki Wakisaka, Toshihiro Kondo, Satoru Takakusagi, Wang-Jae Chun, Kiyotaka Asakura, Kohei Uosaki

[In situ Structural Determination of Underpotentially Deposited Pd Monolayer on Au\(111\) Surface during Oxygen Reduction Reaction](#)

15:00 to 15:20

Marion Scohy (*LEPMI, Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, Grenoble, France*), Laetitia Dubau, Vincent Martin, Sofyane Abbou, Eric Sibert, Bruno Gilles, Frédéric Maillard

[Oxygen Evolution Reaction Investigation on Model Catalysts in Acidic Medium: electro-oxidation and catalytic activity of Ir\(111\), Ir\(210\) and nanostructured Ir\(210\)](#)

15:20 to 15:40

Toshihiro Kondo (*Chemistry, Ochanomizu University, Bunkyo-ku, Japan*), Tong Shengfu, Makoto Aoki, Takuya Masuda, Kohei Uosaki

[Potential-Dependent Adsorbed Structures of Oxygen Species on Pt\(111\) Single-Crystal Electrode during Oxygen Reduction Reaction Investigated by In situ Surface X-ray Scattering](#)

15:40 to 16:00

Angie L. Rangel-Cárdenas (*Chemical Engineering, TU Delft, Delft, Netherlands*), M. Fehse, S.J. Picken, Marc Koper, E.M. Kelder

[Manganese Oxides as Electrocatalysts For Hydrogen Oxidation \(HOR\) and Oxygen Reduction \(ORR\) Reactions in PEMFCs](#)

16:00 to 16:20

Zhi-You Zhou (*College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, China*), Li-Yang Wan, Peng-Yang Zhang, Na Tian, Shi-Gang Sun

[The origin for the instability of pyrolyzed Fe/N/C catalyst for oxygen reduction reaction](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Marcel Heinzmann (*IAM-WET, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany*), André Weber, Ellen Ivers-Tiffée

[A 0-dimensional stationary performance model for PEM single cells](#)

17:00 to 17:20

Martin Prokop (*Department of Inorganic Technology, University of Chemistry and Technology Prague, Prague, Czech Republic*), Roman Kodym, Tomas Bystron, Martin Paidar, Karel Bouzek

[Pt/C Catalyst Degradation in Relation to High Temperature PEM Fuel Cell Operation](#)

17:20 to 17:40

Paul Madus Ejikeme (*Department of Pure and Industrial Chemistry, University of Nigeria, Nsukka, Nigeria*), Katlogo Makgopa, Kenneth Ozoemena

[One-Pot Microwave Synthesis of Onion-Like Carbon-Supported Pd-MnO₂ Nanoparticle Catalysts for Ethylene Glycol and Glycerol Electro-oxidation](#)

17:40 to 18:00

Caren Billing (*School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Sikhumbuso Masina, Mathias Kiefer, Dave Billing

[Temperature Dependent Studies of Doped Bismuth Oxide Electrolytes - The Link Between Ionic Conductivity and Structure](#)

THURSDAY PM

Symposium 3b Fuel Cells, Biofuel Cells and Electrolyzers

Room : 11-CD

Chaired by : Minoru Umeda

14:00 to 14:20

Lorenz Baumgartner (*Chemical Engineering, Delft University of Technology, Delft, Netherlands*), David Vermaas

[Scale-up limitation of gas diffusion electrodes for CO₂ conversion](#)

14:20 to 14:40

Julia Kunze-Liebhäuser (*Institute of Physical Chemistry, University of Innsbruck, Innsbruck, Austria*), Eva-Maria Wernig, Christoph Griesser, Daniel Winkler, Thomas Götsch, Niuscha Shakibi-Nia, Simon Penner

[Mo₂C synthesis and characterization for use in electrochemical CO₂ reduction](#)

14:40 to 15:00

Guoxiong Wang (*State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics, CAS, Dalian, China*), Dunfeng Gao, Chengcheng Yan, Yuefeng Song, Xinhe Bao

[Electrocatalytic reduction of CO₂ over nanostructured catalysts](#)

15:00 to 15:20 Invited

Minoru Umeda (*Materials Science and Technology, Nagaoka University of Technology, Nagaoka, Japan*), Masatoshi Osawa, Shofu Matsuda

[Highly selective and efficient methane generation by carbon dioxide electroreduction on carbon-supported platinum catalyst without overpotential](#)

15:20 to 15:40

Jia-Jia Chen (*Department of Chemistry, Xiamen University, Xiamen, China*)

[The Unusual Electron/Proton Coupling Behavior of Ultra-Reduced Polyoxometalate Clusters and Its Application for Flexible Energy Storage](#)

15:40 to 16:00

Guenter Schiller (*Institute of Engineering Thermodynamics, German Aerospace Center (DLR), Stuttgart, Germany*), Michael Lang, Nathalie Monnerie, Patric Szabo

[Solar heat integrated solid oxide steam electrolysis](#)

16:00 to 16:20

Chang-feng Yan (*Hydrogen Production & Utilization Laboratory, Guangzhou Institute of Energy Conversion, CAS, Guangzhou, China*), Zhuo-Xin Lu, Chang-qing Guo, Zhi-da Wang, Yan Shi, Hong-yi Tan

[Highly Ordered 1D IrO₂ Electrode Synthesized with Titanium Oxide Nanotube Array for OER in Electrolyser](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Sangaraju Shanmugam (*Energy Science & Engineering, DGIST, Daegu, Korea*), Arumugam Sivanantham

[Efficient and Durable Electrocatalysts for Sustainable Hydrogen Generation](#)

17:00 to 17:20

Junyuan Xu (*Quantum & Energy Materials, Braga, Portugal*)

[Ruthenium – Cobalt Phosphide Hybrid Clusters with Superior Electrochemical Hydrogen Evolution Performance](#)

17:20 to 17:40

Wei Xing (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, China*)

[Atomically Efficient HER Catalysts with Ultralow Precious Metal Loading](#)

17:40 to 18:00

Kensaku Nagasawa (*Institute of Advanced Sciences, Yokohama National University, Yokohama, Japan*), Junpei Koike, Yoshiyuki Kuroda, Shigenori Mitsushima

[Characterization and Analysis of Toluene Direct Electro-hydrogenation Electrolyzer for Hydrogen Energy Carrier Synthesis](#)

Symposium 6 Advances in Bioelectrochemistry

Room : 22-G

Chaired by : Priscilla Baker, Andrew J. Gross, Christine Kranz and Gilbert Noell

14:00 to 14:40 Keynote

Christine Kranz (*Institute of Analytical and Bioanalytical Chemistry, Ulm University, Ulm, Germany*), Sven Daboss, Peter Knittel, Jing Lin

[Modified conductive colloidal AFM probes towards sensing at the single entity level](#)

14:40 to 15:00 Invited

Gilbert Noell (*Chem.-Biol.-Dept., Organic Chemistry, Siegen University, Siegen, Germany*), Manuel Heinelt, Tanja Noell

[Spectroelectrochemical Investigation of Flavoproteins](#)

15:00 to 15:20

Elisabeth Lojou (*BIP, CNRS-Aix Marseille university, Marseille, France*), Vivek Hitaishi, Romain Clément, Marianne Ilbert, Ievgen Mazurenko

[Role of exogenous Cu²⁺ in the catalytic properties of Thermus thermophilus Laccase](#)

15:20 to 15:40

Alexander Oleinick (*Dept. of Chemistry, CNRS - PSL Univ., ENS - SU, Paris, France*), Isabel Alvarez-Martos, Irina Svir, Elena Ferapontova, Christian Amatore

[Surface Heterogeneities Matter in Fast Scan Cyclic Voltammetry Investigations of Catecholamines in Brain with Carbon Microelectrodes of High-Aspect Ratio: Dopamine Oxidation at Conical Carbon Microelectrodes](#)

15:40 to 16:00

Kouta Takeda (*Department of Biotechnology and Life Science, Tokyo University of Agriculture and Technology, Tokyo, Japan*), Tatsuki Minami, Masafumi Matsuda, Makoto Yoshida, Kiyohiko Igarashi, Hiroyuki Ohno, Nobuhumi Nakamura

[Direct Electrochemistry of Fungal PQQ-Dependent Pyranose Dehydrogenase on SAM Modified Gold Electrodes](#)

16:00 to 16:20

Modupe Ogunlesi (*Chemistry Department, University of Lagos, Lagos, Nigeria*), Wesley Okiei, Omolara Akerele, Sulaimon Akanmu, Edamisan Temiye

[Characterization of Human Methaemoglobins Using Cyclic Voltammetric Studies on their Aquo-, Cyano-, Azido- and Fluoro Complexes.](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00 Invited

Priscilla Baker (*Chemistry, University of the Western Cape, Bellville, South Africa*), Siyabulela Hamnca

[Spectroscopic and electrochemical sensing protocols based on dihydropteroate synthase inhibition for the detection of sulfonamide antibiotics](#)

17:00 to 17:20 Invited

Andrew J. Gross (*Department of Molecular Chemistry, Grenoble Alpes University, Gieres, France*), Serge Cosnier

[New Advances in Buckypaper Bioelectrodes: From Single Layers to Multilayer Structures for Energy In Vivo](#)

17:20 to 17:40

Fred Lisdat (*Biosystems Technology, Technical University Wildau, Wildau, Germany*), Marc Riedel, Athina Zouni

[A photobioelectrochemical cell based on the combination of two light-sensitive entities: quantum dots and photosystem II](#)

17:40 to 18:00

Felipe Conzuelo (*Analytical Chemistry - Center for Electrochemical Sciences, Ruhr University Bochum, Bochum, Germany*), Fangyuan Zhao, Volker Hartmann, Sónia Zacarias, Marc M. Nowaczyk, Ines A. C. Pereira, Adrian Ruff, Matthias Rögner, Wolfgang Schuhmann

[Photosystem 1 Monolayers with Controlled Orientation Enable Anisotropic Electron Flow for Photoelectrochemical H₂ Production](#)

18:00 to 18:20

Seiya Tsujimura (*Faculty of Pure and Applied Sciences, University of Tsukuba, Tsukuba, Japan*)

[MgO-templated porous carbon for enzyme electrodes](#)

18:20 to 18:40

Alexandra Teodor (*Genome Science and Technology, University of Tennessee Knoxville and Oak Ridge National Lab, Knoxville, USA*), Jyotirmoy Mondal, Michael Vaughn, Jesse Bergkamp, Barry Bruce

[Bio-Hybrid Solar Cells: Putting Photosystem I to Work](#)

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Room : 21-DEF

Chaired by : Catia Arbizzani and Edgar Ventosa

14:00 to 14:40 Keynote

Zhaowu Tian Prize for Energy Electrochemistry

Fabio La Mantia (*Energiespeicher- und Energiewandlersysteme, Universität Bremen, Bremen, Germany*)

[Recent advancements in zinc-ion batteries based on Prussian Blue Analogues](#)

14:40 to 15:00

Alexander Michaelis (*IKTS, Fraunhofer-Institute for Ceramic Technologies and Systems, Dresden, Germany*)

[Advanced Ceramics for Battery Systems](#)

15:00 to 15:20

Marta Cazorla Soult (*Materials and Chemistry, MACH, Vrije Universiteit Brussel, Brussels, Belgium*), Nestor Calabia Gascon, Dries Van Laethem, Xinhua Zhu, Philippe Vereecken, Annick Hubin

[Study of the interfacial mechanical degradation in all-solid-state lithium batteries](#)

15:20 to 15:40

Anna Freiberg (*Department of Chemistry and Catalysis Research Center, Technical University of Munich, Garching, Germany*), Johannes Sicklinger, Sophie Solchenbach, Hubert A. Gasteiger

[Surface Impurities on Layered Transition Metal Oxide Cathode Materials - Li₂CO₃ Decomposition in Li-Ion Battery Electrolytes](#)

15:40 to 16:00

Stefan Oswald (*Chair of Technical Electrochemistry, Department of Chemistry, Technical University of Munich, Garching, Germany*), Daniel Pritzl, Morten Wetjen, Hubert A. Gasteiger

[Monitoring the Electrochemical Capacitance by In Situ Impedance Spectroscopy as Indicator for Particle Degradation of Ni-Rich Cathode Active Materials](#)

16:00 to 16:20

Marketa Zukalova (*Electrochemical Materials, J. Heyrovsky Institute of Physical Chemistry, Prague, Czech Republic*), Jan Prochazka, Barbora Pitna Laskova, Arnost Zukal, Ladislav Kavan

[Li-insertion into Nanocrystalline LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂ \(NMC\)](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00 Invited

Catia Arbizzani (*Dept. of Chemistry Giacomo Ciamician, Alma Mater Studiorum University of Bologna, Bologna, Italy*), Antonio Terella, Francesca De Giorgio, Davide Fabiani, Maria Letizia Focarete, Laura Malavolta, Elena Paolasini

[Functional separators for the batteries of the future](#)

17:00 to 17:20

Julia Amici (*DISAT, Politecnico di Torino, Torino, Italy*), Daniele Versaci, Mojtaba Alidoost, Usman Zubair, Carlotta Francia, Silvia Bodoardo

[Enabling Post Li-ion Technologies through Composite Polymer Electrolytes](#)

17:20 to 17:40

Naamo Suzuki (*Applied Chemistry and Chemical Engineering, Graduate School of Kogakuin University, Hachioji, Tokyo, Japan*), Masaki Kato, Shiro Seki

[New type polyether / \$\text{Li}_{1.5}\text{Al}_{10.5}\text{Ge}_{1.5}\(\text{PO}_4\)_3\$ hybrid Li-conductive solid electrolyte](#)

17:40 to 18:00

Faduma Maddar (*Warwick Manufacturing Group, University of Warwick, Coventry, United Kingdom*), Ronny Genieser, Chaou Tan, Melanie Loveridge

[Monitoring Changes in Electrolyte Behavior of Commercial Li-ion Cells using NMR Spectroscopy](#)

18:00 to 18:20

Tomas Syrový (*Department of Graphic Arts and Photophysics, University of Pardubice, Pardubice, Czech Republic*), Tomáš Kazda, J. Akrman, Lucie Syrová

[Printed Accumulators Based on Organic Electrodes for Printed Electronics Applications](#)

Symposium 11 The Science, Technology and Engineering of Corrosion

Room : 11-AB

Chaired by : Bernard Tribollet

14:00 to 14:40 Keynote

Herman Terryn (*Department of Materials and Chemistry, Research group SURF, Vrije Universiteit Brussel, Brussels, Belgium*)

[A need for better experimental and modelling approaches to understand and predict better corrosion of metals](#)

14:40 to 15:00

Benjamin Wilson (*Chemical and Metallurgical Engineering, Aalto University, Espoo, Finland*), Arman Dastpak, Mari Lundström

[Lignin as a coating for improved corrosion resistance of low carbon steel](#)

15:00 to 15:20

Nadine Pebere (*CIRIMAT / CNRS, ENSIACET, Toulouse, France*), Yann Bulteau, Corinne Lacaze-Dufaure, Pierre Bonin, Nicolas Caussé

[Corrosion inhibition of pure aluminium by quinoline derivatives: Electrochemical and DFT approaches](#)

15:20 to 15:40

Annick Hubin (*Electrochemical and Surface Engineering, Vrije Universiteit Brussel, Brussels, Belgium*), Benny Wouters, Raf Claessens, Ehsan Jalilian, Guy Van Assche, Herman Terryn

[Instantaneous electrochemical impedance spectroscopy as a powerful tool to characterize the breakdown of corrosion properties of model organic coatings](#)

15:40 to 16:00

Daniel J. Blackwood (*Materials Science & Engineering, National University of Singapore, Singapore, Singapore*), Weixin Hou, Ya Gao, John Wang, Teo Serena

[Novel polymer-graphene nanocomposite multi-layered coatings for improved anticorrosion and antifouling performance](#)

16:00 to 16:20

Lutendo Murulana (*Chemistry, University of Venda, Thohoyandou, South Africa*), Eno Ebenso

[Electrochemical Studies on the Corrosion Inhibitory Potential of Imidazolium-based Ionic liquids on Mild Steel in 1.0 M HCl Solutions](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Jelena Bajat (*Physical Chemistry and Electrochemistry, Faculty of Technology and Metallurgy, Belgrade, Serbia*), Mihael Bucko, Alexandre Bastos, Mario Ferreira

[Corrosion stability of aluminum in aqueous solutions and deep eutectic solvents: advantages and disadvantages](#)

17:00 to 17:20

Bernard Tribollet (*LISE UMR8235, CNRS, Paris, France*), Mark Orazem, Vincent Vivier

[Impedance of a passive oxide layer at the OCP](#)

17:20 to 17:40

David Williams (*School of Chemical Sciences, University of Auckland, Auckland, New Zealand*), Bridget Ingham, Monika Ko, M. Hassan Sk, Qi Jiahui, Aboubakr Abdullah, Nick Laycock, Mary Ryan

[Electrocrystallisation of Corrosion Scales](#)

Symposium 13 Electrografting of Materials: from Fundamentals to Applications

Room : 21-G

Chaired by : Alison Downard

14:00 to 14:40 Keynote

Daniel Belanger (*Chimie, Université du Québec à Montréal, Montréal, Canada*)

[Chemical modification of electrochemical energy storage materials](#)

14:40 to 15:00 Invited

Alison Downard (*School of Physical and Chemical Sciences, University of Canterbury, Christchurch, New Zealand*), Liam Carroll, Joel Schuurman, Alexandra McNeill, Rodrigo Gazoni, Roger Reeves, Martin Allen

[Covalently grafted Aryl Layers on Tin\(IV\) Oxide: Tuning the Surface Conductivity](#)

15:00 to 15:20

Tony Breton (*Chemistry Department, MOLTECH-Anjou - Université d'Angers, Angers, France*), Isidoro Lopez, Marius Cesbron, Laure Pichereau, Christelle Gautier

[Diazonium Grafting Controlled by Redox Inhibitors: Generalization of the Approach](#)

15:20 to 15:40

Alain Walcarius (*LCPME, CNRS - Lorraine University, Villers-les-Nancy, France*), Lin Zhang, Neus Vilà, Thi Xuan Huang Le, Mathieu Etienne

[Interest of Diazonium Electrografting, Sequential Click Chemistry, and Sol-Gel Bioencapsulation for the Coimmobilization of Molecular and Biological Catalysts on Electrode: Towards Dehydrogenase-Based Bioelectrocatalytic Reactors](#)

15:40 to 16:00

Alejandro González-Orive (*Technical and Macromolecular Chemistry, University of Paderborn, Paderborn, Germany*), Dennis Meinderink, Fatih Sahin, Juan Carlos Calderón-Gómez, Guido Grundmeier

[Electrografting of Acrylic Acid on Steel for Enhanced Adhesion Properties](#)

16:00 to 16:20

Taek Dong Chung (*Chemistry, Seoul National University, Seoul, Korea*), Sunmi Lee, Dahye Lee

[Electrografting Organic Amines on Indium Tin Oxide of 3D Interdigitated Electrode Array for Immunosensing](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote Invited

Jean Pinson (*ITODYS, Université Paris Diderot, Paris, France*), Fetah Podvorica

[Electrografting Beyond Diazonium Salts](#)

17:20 to 17:40 Invited

Guozhen Liu (*Graduate School of Biomedical Engineering, The University of New South Wales, Sydney, Australia*)

[Nanofabrication of multifunctional biosensing interface for detection of cytokines](#)

17:40 to 18:00

Philani Mashazi (*Chemistry, Rhodes University, Grahamstown, South Africa*), Omotayo Adeniyi, Adesina Abiola

[Biomolecular thin-films fabrication using electrografting for multiplexed detection of disease biomarkers](#)

THURSDAY PM

Symposium 15 Computational Electrochemistry and Simulation: from Prediction of Properties to Optimization of Devices

Room : 12-AB

Chaired by : *Alejandro Franco and Wolfgang Schmickler*

14:00 to 14:20

Lars von Kolzenberg (*Electrochemical Multiphysics Modeling, Helmholtz Institute Ulm, Ulm, Germany*), Birger Horstmann, Arnulf Latz

[Chemical-mechanical modeling of SEI on silicon particles](#)

14:20 to 14:40

Alain Cabrel Ngandjong (*Universite de Picardie Jules verne, Laboratoire de Reactivite et Chimie des Solides, Amiens, France*), Teo Lombardo, Emiliano Primo, Mehdi Chouchane, Su Zeliang, Alejandro Franco

[Coarse Grained Molecular Simulation of Lithium Ion Electrodes Fabrication: Linking Computations with Experiments](#)

14:40 to 15:00

Adrian Schmidt (*IAM-WET, Karlsruher Institut für Technologie (KIT), Karlsruhe, Germany*), André Weber, Ellen Ivers-Tiffée

[An extended homogenized FEM model for Li-ion Batteries](#)

15:00 to 15:20

Florian Baakes (*Institute of Energy and Process Systems Engineering, TU Braunschweig, Braunschweig, Germany*), Vincent Laue, Fridolin Röder, Ulrike Krewer

[The influence of electrolyte phase transition on the thermal runaway in lithium ion batteries](#)

15:20 to 15:40

Natei Ermias Benti (*Environmental Science, Energy stream, Addis Ababa University, Addis Ababa, Ethiopia*)

[The Effects of CO₂ Contamination on Reaction Mechanism in Non-aqueous Na-air Batteries: A DFT Study](#)

15:40 to 16:00 Invited

Phuti Ngoepe (*Materials Modelling Centre, University of Limpopo, Sovenga, South Africa*), Beauty Shibiri, Raesibe Ledwaba, Kenneth Kgatwane, Dean Sayle

[Atomistic Simulations on Structure and Mechanical Properties of Nano-architected Li-Mn-O Cathode upon Li-Intercalation](#)

16:00 to 16:20

Emiliano Primo (*Laboratoire de Réactivité et Chimie des Solides (LRCS), Université de Picardie Jules Verne, Amiens, France*), Teo Lombardo, Alain Cabrel Ngandjong, Matthieu Touzin, Alejandro Franco

[Calendering process for thick and thin NMC cathodes: understanding the process parameters effect on the electrode structure and performance](#)

16:20 to 16:40 Coffee Break

16:40 to 17:00 Invited

Stephan Steinmann (*Laboratoire de Chimie, ENS de Lyon, Lyon, France*)

[Modelling Reactive Electrified Interfaces: From DFT to Force Fields](#)

17:00 to 17:20

Shengli Chen (*Department of Chemistry, Wuhan University, Wuhan, China*), Yongting Chen, Peng Li, Xing Hua

[Theoretical Insights into the pH Effects in Electrocatalysis](#)

17:20 to 17:40

Andreas Mavrantakis (*Electrochemical Processes Unit, IMDEA Energy Institute, Mostoles, Spain*), Rebeca Marcilla, Carlos de la Cruz

[A Density Functional Theory study of the Redox Chemistry of Phenazines](#)

17:40 to 18:00

Adebayo Adeniyi (*Department of Chemistry, University of the Free State, Bloemfontein, South Africa*)

[Complementary Insight into the Experimental Reduction Potentials of the Tris\(*b*-Diketonato\)Iron\(III\) Complexes Using the DFT Methods](#)

Symposium 17 Electrochemical Technologies for Sustainable and Advanced Manufacturing

Room : 22-DEF

Chaired by : Gerardine G. Botte and Dongping Zhan

14:00 to 14:20

Philip Bartlett (*Chemistry, University of Southampton, Southampton, United Kingdom*), David Cook, Wenjian Zhang, William Levason, Gillian Reid

[The Electrodeposition of Tellurium from Non-Aqueous Solution](#)

14:20 to 14:40

Gerardine G. Botte (*Center for Electrochemical Engineering Research, Ohio University, Athens, USA*), Alamgir Haque, Behnaz Jafari

[Electrochemical Production of Rare Earth Elements from Coal and Coal By-products](#)

14:40 to 15:00

Tsuyoshi Hoshino (*National Institutes for Quantum and Radiological Science and, QST, Obuchi, Omotedate, Rokkasho-mura, Japan*)

[Recycling of Used Li-ion Batteries by Innovative Electrodialysis using Lithium Ionic conductor Membrane](#)

15:00 to 15:20

Zulin Wang (*Department of Chemical and Metallurgical Engineering (CMET), Aalto University, Espoo, Finland*), Kirsi Yliniemi, Benjamin Wilson, Mari Lundström

[Gold and Silver Nanostructures Prepared Directly from Leaching Solutions by Electrodeposition-Redox Replacement](#)

15:20 to 15:40

Dongping Zhan (*Department of Chemistry, Xiamen University, Xiamen, China*), Lianhuan Han, Chengxin Guo, Zhong-Qun Tian, Zhao-Wu Tian

[Electrochemical Machining on Semiconductor by Photocorrosion](#)

15:40 to 16:00 Invited

Hai-Chao Xu (*Chemistry, Xiamen University, Xiamen, China*)

[Electrochemically Enabled Radical Reactions](#)

16:00 to 16:20

Michael Zirbes (*Institute of Organic Chemistry, Johannes Gutenberg-University, Mainz, Germany*), Siegfried R. Waldvogel

[Selective Electrochemical Degradation of Kraft Lignin](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:00

Phumlani Mjwana (*Chemical Engineering, University of Johannesburg, Johannesburg, South Africa*), Peter Olubambi

[Modeling and Simulation of Current Density Distribution on Carbon Steel in Alkaline Environment](#)

17:00 to 17:20

Kirsi Yliniemi (*Department of Chemistry and Materials Science, Aalto University, Espoo, Finland*), Zulin Wang, Petteri Halli, Ivan Korolev, Pyry Hannula, Benjamin P. Wilson, Mari Lundström

[Towards Circular Economy of Metals via Electrodeposition-Redox Replacement](#)

17:20 to 17:40

Roman Latsuzbaia (*Sustainable Process and Energy Systems, TNO, Delft, Netherlands*), Richard van Heck, Anca Anastasopol, Amanda Garcia, Marc Crockatt, Mark Roelands, Earl Goetheer

[Electrochemical production of bio-based maleic acid](#)

Symposium 19 Imaging Heterogeneous Electrochemical Processes: From Single Molecules and Nanoparticles to Vesicles and Cells

Room : 12-CD

Chaired by : *Hong-Yuan Chen*

14:00 to 14:40 Keynote

Bin Ren (*Department of Chemistry, Xiamen University, Xiamen, China*), Shengchao Huang, Tengxiang Huang, Sisi Wu, Haisheng Su, Yifan Bao, Xiang Wang

[Electrochemical Tip-enhanced Raman Spectroscopy & Microscopy](#)

14:40 to 15:00 Invited

Jing-Juan Xu (*Chemistry, Nanjing University, Nanjing, China*), Meng-Jiao Zhu, Ming-Ming Chen, Wei Zhao, Cong-Hui Xu, Hong-Yuan Chen

[Electrogenerated Chemiluminescence Imaging of Electrocatalytic Activity at Single Nanoparticles](#)

15:00 to 15:20 Invited

Vladimir M. Mirsky (*Nanobiotechnology, Brandenburg University of Technology, Senftenberg, Germany*), Veronika Laurinavichyute, Shavkat Nizamov

[Application of wide field surface plasmon microscopy for analysis of initial stages of electrochemical nucleation](#)

15:20 to 15:40 Invited

Frederic Kanoufi (*ITODYS, University Paris Diderot, Paris, France*), Jean-Francois Lemineur, Jean-Marc Noël, Catherine Combellas

[Imaging single dielectric nanoparticle electrochemistry by interferometric microscopy](#)

15:40 to 16:00 Invited

Weilin Xu (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, China*)

[Single-Molecule Nanocatalysis Reveals In-situ Deactivation of Pt/C Electrocatalyst for Hydrogen Oxidation Reaction](#)

16:00 to 16:20 Invited

Bin Su (*Chemistry, Zhejiang University, Hangzhou, China*), Linru Xu, Hao Ding, Weiliang Guo

[Electrochemiluminescence Imaging: Latent Fingermarks, Cells and Multicolor Immunoassay](#)

16:20 to 16:40

[Coffee Break](#)

16:40 to 17:20 Keynote

Yi-Tao Long (*Department of Chemistry, Shanghai, China*)

[Nanopore-Based Single Biomolecule Interface for Single Molecule Sensing](#)

17:20 to 17:40

Wojciech Nogala (*Department of Electrode Processes, Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland*), Fatih Celal Alcicek, Marcin Holdynski, Agata Roguska, Magdalena Michalak, Gunther Wittstock, Marcin Opallo

[Simultaneous Imaging of Redox Activity and Topography with Single SECM Probe](#)

17:40 to 18:00

Vinicius Goncales (*School of Chemistry, The University of New South Wales, Sydney, Australia*), Jiaxin Lian, Shreedhar Gautam, Yan Vogel, Rafael Colombo, Ying Yang, Richard Tilley, Susana Córdoba de Torresi, Simone Ciampi, Justin Gooding

[Semiconducting junctions based on amorphous silicon: a possible platform for high-resolution light-addressable amperometric devices](#)

Symposium 21 General Session

Room : 22-ABC

Chaired by : Marco Musiani and Roberto M. Torresi

14:00 to 14:20

Marc Tesch (*Heterogeneous Reactions, Max Planck Institute for Chemical Energy Conversion, Muelheim an der Ruhr, Germany*), Praveen V. Narangoda, Sabita Bhandari, Sebastian Neugebauer, Anna Mechler, Robert Schlögl

[On the Applicability of Manganese for the Electrocatalytic Oxygen Evolution Reaction - Results of the "MANGAN Project"](#)

14:20 to 14:40

Kai S. Exner (*Department of Physical Chemistry, Sofia University, Sofia, Bulgaria*)

[Recent Advancements Towards Closing the Community Gap between Electrocatalysis and Battery Science: The Computational Lithium-Ion Electrode and Activity-Stability Volcano Plots](#)

14:40 to 15:00

Roger Gonçalves (*Materials Engineering, Federal University of São Carlos, São Carlos, Brazil*), Carlos Scuracchio

[Impedanciometric study of the relative humidity effect over the electromechanical properties of an IPMC device](#)

15:00 to 15:20

Bhavana Gupta (*Groupe Nanosystemes Analytiques, Bordeaux University, Bordeaux, France*), Lin Zhang, Mariana Afonso, Bertrand Goudeau, Patrick Garrigue, Nicolas Mano, Cedric Ayela, Alexander Kuhn

[Bipolar Electromechanical Activity of Conducting Polymers for Wireless Actuation](#)

15:20 to 15:40

Bollah-Braz Hangula (*Health and Applied Science, Namibia University of Science and Technology, Windhoek, Namibia*)

[Biosynthesis of Gold Nano-particles Using Apple Fruit Extracts](#)

15:40 to 16:00

Derek Esau (*Chemistry, Queen's University, Kingston, Canada*), Fabian M. Schuett, K. Liam Varvaris, Jonas Björk, Timo Jacob, Gregory Jerkiewicz

[Flame Fusion Nickel Single Crystal Growth: Unravelling Decades of Impossibility](#)

16:00 to 16:20

Ji-Hyung Han (*Marine Energy Convergence and Integration Laboratory, Korea Institute of Energy Research, Jeju, Korea*), Kyo-sik Hwang, Haejun Jeong, Namjo Jeong

[Electrode system for Large-scale Reverse Electrodialysis: Water electrolysis, Bubble resistance, and Inorganic scaling](#)

16:20 to 16:40

Coffee Break

16:40 to 17:00

Samson Khene (*Chemistry Department, Rhodes University, Grahamstown, South Africa*), Zainab Makinde, Philani Mashazi

[Electrocatalytic Behavior of Single Walled Carbon Nanotubes With Alkylthio-substituted Cobalt Binuclear Phthalocyanines Towards Oxidation of 4-chlorophenols](#)

17:00 to 17:20

Praveen V. Narangoda (*Heterogeneous Reactions, Max Planck Institute for Chemical Energy Conversion, Muelheim an der Ruhr, Germany*), Marc F. Tesch, Sebastian Neugebauer, Robert Schlögl, Anna K. Mechler

[How Polymer Binders Influence Oxygen Evolution Catalysis in Alkaline Media](#)

17:20 to 17:40

Yanling Qi (*Applied Chemistry, Tianjin University, Tianjin, China*), Xiaoqing Liu, Wei Wang

[Analysis of Electrochemical Co-deposition Process of P-type \$\text{Bi}_x\text{Sb}_{2-x}\text{Te}_3\$ Thermoelectric Materials in EDTA and Tartaric Acid Complex Solution](#)

17:40 to 18:00

Christina Roth (*Institute for Chemistry and Biochemistry, Freie Universitaet Berlin, Berlin, Germany*)

[Cyclic voltammetry of carbon-felt electrodes for application in all-vanadium redox flow batteries: Theory and experiment](#)

18:00 to 18:20

Mesfin Kebede (*Energy Centre, Council for Scientific and Industrial Research, Pretoria, South Africa*)

[\$\text{LiMn}_2\text{O}_4/\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4\$ Composite to Boost the Electrochemical Cyclic Stability of \$\text{LiMn}_2\text{O}_4\$](#)

ROOMS:	MR 21-ABC	HALL 1	MR 11-CD	MR 12-AB	MR 12-CD	MR 11-AB	MR 21-DEF	MR 21-G	MR 22-ABC	MR 22-DEF	MR 22-G
Plenary Lecture: <u>Peidong Yang (Hall 1)</u>											
08:15 - 09:15											
SYMPOSIUM	Masterclass	Symposium 3	Symposium 3b	Symposium 15	Symposium 19	Symposium 11	Symposium 18	Symposium 1	Symposium 21	Symposium 17	Symposium 20
09:30 - 09:50	Andrea Russell	T. Benedetti	P. Leveque	Ulrike Krewer	Patrick Unwin	H. G. de Melo	O.E. Kongstein	Anne Varenne	Fabian Schuett	Patricia Santiago	Markus Gehring
09:50 - 10:10		T. Loeffler	M. Perez-Page	Maryam Shojaei		D. Thierry	Thandazile Moyo	Aziz Amine	Povilas Simonis	Xinsheng Zhang	M. Tavakkoli
10:10 - 10:30		V. Mashindi	J. Chamier	Niklas Russner	Tim Albrecht	N. LeBozec	Miao Chen	C. O'Sullivan	J. Souza-Garcia	Jonas Hereijgers	M. Muchindu
10:30 - 10:50			B. Marius	P.P. Bawol	Dong Wang	Dick Groot	Huayi Yin	M. Matsunaga	Yige Zhou	Zhaoting Liu	
10:50 - 11:10	Coffee Break										
11:10 - 11:30				C. Jung	Fei Li	F. Deflorian	S.M. Treceno	I. Katakis	Invin Booysen	Tsuyoshi Ochiai	
11:30 - 11:50				J. Gertzen	H.B. Aiyappa	Michele Fedel		D. Mwanza	Yi Cao	Maximilian Röhe	
11:50 - 12:10				Krishna Bisetty	Yilun Ying	Emeka Oguzie		T. J. Ehirim	Sana Sabahat		
12:15 - 12:30	Closing Ceremony										

Friday 9 August 2019 - Morning

Plenary

Room : Hall 1

Chaired by : Marc Koper

08:15 to 09:15

Peidong Yang (*Department of Chemistry, University of California, Berkeley, Berkeley, USA*)

[Liquid Sunlight: the evolution of Photosynthetic Biohybrid Systems](#)

Masterclass

Room : 21-ABC

Chaired by : Fabian Ezema

09:30 to 10:30

Andrea Russell (*School of Chemistry, University of Southampton, Southampton, United Kingdom*)

[Design of electrochemical cells and the factors that affect experimental response](#)

Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Room : 21-G

Chaired by : Emmanuel Iwuoha and Debbie Silvester

09:30 to 09:50 Invited

Anne Varenne (*Institut of Chemistry for Life and Health Sciences, Chimie ParisTech PSL, Paris, France*),
J  r  mie Gouyon, Sophie Griveau, Fanny d'Orly  , Fethi Bedioui

[Lab on a chip for the electrochemical quantitation and recycling of strategic materials](#)

09:50 to 10:10 Invited

Aziz Amine (*Process Engineering & Environment, Hassan II University of Casablanca, Mohammedia, Morocco*), Abdellatif Ait Lahcen

[Development of Electrochemical Sensors Based on Molecularly Imprinted Polymers for Emerging Pollutants Determination](#)

10:10 to 10:30

Ciara O'Sullivan (*Chemical Engineering, Universitat Rovira i Virgili, Tarragona, Spain*), Ivan Magrina Lobato, Miriam Jauset Rubio, Mayreli Ortiz, Anna Simonova, Michal Hock  

[Ferrocene-labelled 2'-deoxyribonucleoside triphosphates in advanced electrochemical genomic platforms](#)

10:30 to 10:50

Mariko Matsunaga (*Electrical, Electronic, and Communication Engineering, Chuo University, Tokyo, Japan*), Sonoko Shinohara

[Electrochemical Glucose Sensing using Mesoporous Platinum Electrode in Various Acidic Solutions with Different Ion Conductivity](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Ioanis Katakis (*Chemical Engineering, Universitat Rovira i Virgili, Tarragona, Spain*), Nihad Ahmed, Mayreli Ortiz, Ciara O'Sullivan

[Screen-printed Microsystems for Molecular Diagnostics](#)

11:30 to 11:50

Daniel Mwanza (*Chemistry, Rhodes University, Grahamstown, South Africa*), Philani Mashazi

[Electrochemically grafted stable “clicked” -thin films of metallophthalocyanines onto gold electrode for hydrogen peroxide sensing](#)

11:50 to 12:10

Tobechukwu J. Ehirim (*Chemistry, University of The Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Electrochemical determination of tramadol at sulphonic acid-functionalized single-walled carbon nanotube electrode platforms](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

Room : Hall 1

Chaired by : Tobias Loeffler

09:30 to 09:50

Tania Benedetti (*School of Chemistry, University of New South Wales, Sydney, Australia*), Johanna Wordsworth, Corina Andronescu, Soshan Cheong, Patrick Wilde, Richard Tilley, Wolfgang Schuhmann, Justin Gooding

[Improved ORR electrocatalysis inside nanochannels in nanozymes: nanoparticles that mimic enzyme architecture](#)

09:50 to 10:10

Tobias Loeffler (*Analytical Chemistry - Center for Electrochemical Sciences, Ruhr University Bochum, Bochum, Germany*), Hajo Meyer, Alan Savan, Alba Garzon-Manjon, Michael Meischein, Patrick Wilde, Yen-Ting Chen, Edgar Ventosa, Christina Scheu, Alfred Ludwig, Wolfgang Schuhmann

[Multi-principal element high-entropy alloys as universal and tailorable electrocatalysts - Fundamentals and application](#)

10:10 to 10:30

Victor Mashindi (*School of Chemistry, University of the Witwatersrand Johannesburg, Johannesburg, South Africa*), Kenneth Ozoemena, Neil Coville

[Hollow carbon spheres as a durable platinum catalyst support in fuel cells](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 3b Fuel Cells, Biofuel Cells and Electrolyzers

Room : 11-CD

Chaired by : Jessica Chamier and Pieter Levecque

09:30 to 09:50

Pieter Levecque (*Department of Chemical Engineering, University of Cape Town, Rondebosch, South Africa*), Nabeel Hussain, Cara Bea Davidson, Simone Daniels, Clayton Jacobs, Eric van Steen, Shiro Tanaka

[Characterisation of water transport in fuel cells employing metal GDLs and microchannels](#)

09:50 to 10:10

Maria Perez-Page (*School of Chemical Engineering and Analytical Science, The University of Manchester, Manchester, United Kingdom*), Stuart Holmes, Jose Miguel Luque-Alled, Patricia Gorgojo, Edwards Roberts

[Nafion-Functionalized Exfoliated Graphene Oxide Matrix Membranes to Improve the Low Temperature Fuel Cell](#)

10:10 to 10:30

Jessica Chamier (*Chemical Engineering, HySA Catalysis, University of Cape Town, Cape Town, South Africa*),
Firdaus Hendriks, Tita Labi

[Improving the durability of membrane electrode assemblies during voltage reversal](#)

10:30 to 10:50

Bernhard Marius (*Ceet, Graz University of Technology, Graz, Austria*), Zeljko Penga

[Voltage response analysis of polymer electrolyte fuel cells during dynamic load changes](#)

10:50 to 11:10

[Coffee Break](#)

Symposium 11 The Science, Technology and Engineering of Corrosion

Room : 11-AB

Chaired by : Monica Santamaria

09:30 to 09:50 Invited

Hercilio G. de Melo (*Metallurgical and Materials Engineering, Universidade de Sao Paulo, Sao Paulo, Brazil*),
Janeth Marlene Quispe Aviles, José Wilmar Calderon Hernandez, Helio Goldenstein

[Electrochemical behavior and corrosion resistance of HSLA API 5L X65 pipes in CO₂ saturated aqueous media](#)

09:50 to 10:10

Dominique Thierry (*R&D, French corrosion institute, Brest, France*)

[Application of Scanning Kelvin Probe for In-situ Studies of Hydrogen Permeation in Steel](#)

10:10 to 10:30

Nathalie LeBozec (*R&D, French Corrosion Institute, Brest, France*), Dominique Thierry, Dan Persson

[Influence of microstructure of zinc-aluminium-magnesium alloyed coated steel on the corrosion behaviour in laboratory tests and outdoor marine atmosphere](#)

10:30 to 10:50

Dick Groot (*Mining and Process Engineering, Namibia University of Science and Technology, Windhoek, Namibia*), Jonas Addai-Mensah, Sofya Mitropolskya, Eino Mvula, Harmony Musiyarira, Angela Nakale, John Sirunda

[An Investigation Into Premature Galvanized Steel Pipeline Failures in the Otjimbingwe Area of Namibia](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30 Invited

Flavio Deflorian (*Depart. Industrial Engineering, University of Trento, Trento, Italy*), Maryam Eslami, Caterina Zanella, Michele Fedel

[Electrochemical Study of the Corrosion Resistance of Rheo HPDC Al-Si Alloys and New Conversion Coatings](#)

11:30 to 11:50

Michele Fedel (*Department of Industrial Engineering, University of Trento, Trento, Italy*), Sandra Diré, Emanuela Callone, Flavio Deflorian

[Influence of Gd³⁺ Doping on Molecular Organization and Electrochemical Properties of Si-based Organic/Inorganic Sol-Gel Layers](#)

11:50 to 12:10

Emeka Oguzie (*ACE-FUELS Centre, Federal University of Technology Owerri, Owerri, Nigeria*), Chrisogonus Akalezi, Maduabuchi Chidiebere, Kanayo Oguzie

[Natural products for materials protection](#)

Symposium 15 Computational Electrochemistry and Simulation: from Prediction of Properties to Optimization of Devices

Room : 12-AB

Chaired by : Stephan Steinmann and Thomas Turek

09:30 to 09:50 Invited

Ulrike Krewer (*Institute of Energy and Process Systems Engineering, TU Braunschweig, Germany, Germany*),
Fridolin Röder

[Coupled kmc-continuum Modelling of Processes at Electrodes](#)

09:50 to 10:10

Maryam Shojaei (*Chemical and Process Engineering, University of Canterbury, Christchurch, New Zealand*),
Maan Alkaisi, Leatham Landon-Lane, Aaron Marshall

[Micro-structured Pyramidal Arrays as a Rough Electrode Model for Validating Electrode Simulations](#)

10:10 to 10:30

Niklas Russner (*Institute of Applied Materials, Karlsruher Institute of Technology, Karlsruhe, Germany*),
Jochen Joos, Ellen Ivers-Tiffée

[Microscopic mass transport modelling for SOFC electrodes](#)

10:30 to 10:50

Pawel Peter Bawol (*Institute for Physical and Theoretical Chemistry, University of Bonn, Bonn, Germany*),
Jürgen Fuhrmann, Christian Merdon

[Rotating Ring Disc Electrode simulations: A comparison of a classical finite differences to fully implicit finite volume scheme](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Christoph Jung (*Electrochemical Energy Storage, Helmholtz Institute Ulm (HIU) Electrochemical Energy Storage, Ulm, Germany*), Timo Jacob, Timo Jacob

[Atomistic insights on the electrode material CuDEPP: Combining the advantages of batteries and super capacitors](#)

11:30 to 11:50

Jonathan Gertzen (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Tokoloho Rampai, Tracey van Heerden, Pieter Levecque

[MAX Phases as an Electrocatalyst Support Material: A DFT Study](#)

11:50 to 12:10

Krishna Bisetty (*Chemistry, Durban University of Technology, Durban, South Africa*), Bayu Tri Murti, Ashutosh Tiwari

[Experimental and computational studies on sensing of DNA damage in Alzheimer's disease](#)

Symposium 17 Electrochemical Technologies for Sustainable and Advanced Manufacturing

Room : 22-DEF

Chaired by : Tsuyoshi Ochiai and Olubambi Peter

09:30 to 09:50

Patricia Santiago (CCNH, Federal University of ABC, Santo André, Brazil), Camilo Angelucci, Janaina Souza-Garcia

[Perovskites as electrocatalyst for glycerol oxidation](#)

09:50 to 10:10

Xinsheng Zhang (Chemical Engineering, East China University of Science and Technology, Shanghai, China), Zhongqiao Ma, Dongfang Niu

[Enhancing CO₂ electroreduction with Au/pyridine/carbon nanotubes hybrid structures](#)

10:10 to 10:30

Jonas Hereijgers (Advanced Reactor Technology, University of Antwerp, Antwerp, Belgium), Jonathan Schalck, Tom Breugelmans

[Screening of Structured 3D Electrode Geometries to Overcome Mass Transfer Limitation Problems in Electrochemical Reactors](#)

10:30 to 10:50

Zhaoting Liu (School of Resources and Environment, East China University of Science and Technology, Shanghai, China), Jianguo Yu

[Electrochemical Behaviors of B\(III\) and its Co-reduction with Mg\(II\) in molten chloride salts](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Tsuyoshi Ochiai (Kawasaki Technical Support Department, Kanagawa Institute of industrial Science and Technology, Kawasaki, Japan), Yosuke Ishikawa, Toshinari Nagura, Noritaka Kimura

[Environment-friendly Treatments of Fabrics Using Electrochemically Generated O₃-water with UV Irradiation](#)

11:30 to 11:50

Maximilian Röhe (Institute of Energy and Process Systems Engineering, Technische Universität Braunschweig, Braunschweig, Germany), Alexander Botz, Fabian Kubannek, Wolfgang Schuhmann, Ulrike Krewer

[The key role of water activity in the \(dynamic\) operation behavior of oxygen depolarized cathodes](#)

Symposium 18 Electrochemistry and Mining: Minerals and Metal Processing

Room : 21-DEF

Chaired by : Jochen Petersen

09:30 to 09:50

Ole Edvard Kongstein (*Corrosion and Tribology, SINTEF, Trondheim, Norway*), Karen Sende Osen, Anne Støre, Zhaohui Wang

[Electrowinning of Cobalt from Sulphate Electrolytes](#)

09:50 to 10:10

Thandazile Moyo (*Chemical Engineering Department, Dr, Cape Town, South Africa*), Jochen Petersen

[The electrochemistry of chalcopyrite in ammonia-ammonium sulphate solutions - Anodic and cathodic reactions](#)

10:10 to 10:30 Invited

Miao Chen (*School of Science, RMIT University, Melbourne, Australia*), Yalong Ma, Yi Yang

[Scanning Electrochemical Microscopy \(SECM\) Study of Redox Potential Impact on Chalcopyrite Leaching](#)

10:30 to 10:50 Invited

Huayi Yin (*School of Metallurgy, Northeastern University, Shenyang, China*)

[Electrochemical reduction of sulfides/oxides in strongly alkaline solutions](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Samuel Martin Treceno (*Chemical and Process Engineering Department, University of Canterbury, Christchurch, New Zealand*), Nic Weaver, Catherine Bishop, Aaron Marshall, Matthew Watson

[Exploring the Electrochemical Extraction of Titanium from Complex Molten Oxides Systems](#)

Symposium 19 Imaging Heterogeneous Electrochemical Processes: From Single Molecules and Nanoparticles to Vesicles and Cells

Room : 12-CD

Chaired by : Ismael Diez Perez

09:30 to 10:10 Keynote

Patrick Unwin (*Chemistry, University of Warwick, Coventry, United Kingdom*)

[Nanoscale Visualization of Structure-Activity at Complex Electrodes](#)

10:10 to 10:30 Invited

Tim Albrecht (*School of Chemistry, University of Birmingham, Birmingham, United Kingdom*)

[Exploring Complex Charge Transport Data with Novel Analysis Tools, from Single- to 'Many-Molecule' Devices](#)

10:30 to 10:50 Invited

Dong Wang (*Institute of Chemistry, CAS, Beijing, China*)

[Molecular Electrocatalytic Reaction at the Electrode/Electrolyte Interface by In-situ Scanning Tunneling Microscopy](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Fei Li (*School of Life Science and Technology, Xi'an Jiaotong University, Xi'an, China*), Yabei Li, Jinxin Lang, Meng Wang, Feng Xu

[Investigation of cell microenvironment effect on cell behaviors using electrochemical scanning probe microscopy](#)

11:30 to 11:50

Harshitha Barike Aiyappa (*Analytical Chemistry - Center for Electrochemical Sciences, Ruhr University Bochum, Bochum, Germany*), Patrick Wilde, Thomas Quast, Justus Masa, Corina Andronescu, Yen-Ting Chen, Martin Muhler, Roland A. Fischer, Wolfgang Schuhmann

[Electrocatalysis at the tip: Evaluation of the OER activity of a single MOF-derived composite nanoparticle](#)

11:50 to 12:10

Yilun Ying (*School of Chemistry & Molecular Engineering, East China University of Science and Technology, Shanghai, China*), Yi-Tao Long

[Mining Nanopore Big Data to Reveal the Single Molecule Heterogeneity](#)

Symposium 20 Carbon - A Starring Role in Electrochemistry

Room : 22-G

Chaired by : Ahmed Galal and Richard McCreery

09:30 to 09:50

Markus Gehring (*Institute of Energy and Climate Research - IEK 9, Forschungszentrum Juelich GmbH, Juelich, Germany*), Hermann Tempel, Hans Kungl, Rüdiger-A. Eichel

[Carbonisation Temperature Dependence of Electrochemical Activity of Nitrogen-Doped Carbon Fibres from Electrospinning as Air Cathode for Aqueous-Alkaline Metal-Air Batteries](#)

09:50 to 10:10

Mohammad Tavakkoli (*Department of Applied Physics, Aalto University, Espoo, Finland*), Emmanuel Flahaut, Esko Kauppinen

[A nitrogen-doped carbon matrix with embedded Co nanoparticles as an advanced multifunctional electrocatalyst for oxygen reduction and water splitting](#)

10:10 to 10:30

Munkombwe Muchindu (*Advanced Materials Division, Mintek, Johannesburg, South Africa*), Lucky Sikhwihilu

[Electrochemical Characterization of Carbon Nanomaterials Synthesized from Catalytic Coal Fly Ash](#)

Symposium 21 General Session

Room : 22-ABC

Chaired by : Nadine Pebere and Bernard Tribollet

09:30 to 09:50

Fabian Schuett (*Institute of Electrochemistry, Ulm University, Ulm, Germany*), Derek Esau, K. Liam Varvaris, Jonas Björk, Johanna Rosén, Gregory Jerkiewicz, Timo Jacob

[Flame Fusion Single Crystal Growth of Non-Noble fcc, hcp and bcc Metals Using the Example of Copper, Cobalt and Iron](#)

09:50 to 10:10

Povilas Simonis (*Department of Material Science and Electrical Engineering, Center for Physical Sciences and Technology, Vilnius, Lithuania*), Rasa Garjonytie, Arunas Stirke

[Electroporation Effects on Mediated Amperometry at Yeast-Modified Electrodes](#)

10:10 to 10:30

Janaina Souza-Garcia (*Centre for Natural Sciences and Humanities, Federal University of ABC, Santo André, Brazil*), Eduardo S. Sardinha, Ailton C Araujo, Erick L. Bastos, Hugo B. Suffredini

[Regeneration of oxidized vitamin E by vitamin C: insights from interfacial electrochemistry](#)

10:30 to 10:50

Yige Zhou (*Department of Chemistry, Hunan University, Changsha, China*), Jiaying Huang, Yijin Kang

[Fatigue-resistant fluidized electrocatalysis](#)

10:50 to 11:10

[Coffee Break](#)

11:10 to 11:30

Irvin Booysen (*School of Chemistry and Physics, Chemistry Building, Pietermaritzburg, South Africa*)

[An investigation of the nitrite electro-oxidation capabilities of flavone tetrasubstituted metallophthalocyanines and their carbon nanotube conjugates](#)

11:30 to 11:50

Yi Cao (*Department of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin, China*), Pengjian Zuo, Shuaifeng Lou, Zhen Sun, Hua Huo, Yulin Ma, Chunyu Du, Yunzhi Gao, Geping Yin

[The function mechanism of a novel quasi-solid-state Li-S battery](#)

11:50 to 12:10

Sana Sabahat (*Chemistry, COMSATS University, Park Road, Chak Shahzad, Islamabad, Pakistan*), Naveed Janjua, Zareen Akhter

[Electrochemical Behavior of Ferrocene Functionalized Gold Nanoparticles](#)

Poster presentation program



Symposium 1 Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors

Drug profiling

s01-001

Caroline G. Sanz (*Institute of Chemistry, University of São Paulo, São Paulo, Brazil*), Silvia H. P. Serrano, Christopher Brett

[Electro-oxidation Pathway and Determination of Cefadroxil at Carbon Nanotube / Gold Nanoparticle Modified Glassy Carbon Electrodes](#)

Electroanalysis

s01-002

Mateusz Gocyla (*Modified electrodes, Institute of Physical Chemistry PAS, Warsaw, Poland*), Gabriela Winska, Marcin Opallo

[Electrocatalytic Properties of Suspended Graphene Oxide in Flow](#)

s01-003

Qingli Hao (*School of Chemical Engineering, Nanjing University of Science and Technology, Nanjing, China*), Zongdeng Wu, Jiawei Fan

[Electrochemical Reduction of CO₂ Based on Nanocomposite Catalysts](#)

s01-004

Zhaoyan Luo (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, China*), Changpeng Liu, Junjie Ge, Wei Xing

[Chemically activating MoS₂ via spontaneous atomic palladium interfacial doping towards efficient hydrogen evolution](#)

s01-005

Germana V. Lyimo (*Faculty of Dentistry, Restorative Dentistry, University of the Western Cape, Capetown, South Africa*), Rachel F. Ajayi, Razia Z. Adam

[Electroanalysis of *Aspalathus linearis* and *Musa paradisiaca* mediated zinc oxide nanoparticles against fungal pathogens](#)

s01-006

Patrizia Romana Mussini (*Dipartimento di Chimica, Università degli Studi di Milano, Milano, Italy*), Serena Arnaboldi, Sara Grecchi, Mariangela Longhi, Francesco Sannicolò, Simona Rizzo, Emanuela Licandro, Silvia Cauteruccio, Armando Gennaro, Abdirisak Ahmed Isse, Roberto Cirilli, Lorenzo Guazzelli, Cinzia Chiappe

[Electrochemistry of, and Electroanalysis in, Chiral and Inherently Chiral Ionic Liquid Media](#)

s01-007

Gbenga Peleyeju (*Chemistry, University of Johannesburg, Johannesburg, South Africa*), Omotayo Arotiba

[Electro-oxidation of caffeine and acetaminophen at glassy carbon electrode modified with a sp³-sp² hybrid carbon nanomaterial](#)

s01-008

Sebastien Picart (*DMRC, CEA, Bagnols-sur-Ceze, France*), Marielle Crozet, Giacomo Canciani, Ygor Davrain, Daniele Roudil

[Highly Accurate Controlled Potential Coulometry: Application to Plutonium Metrology](#)

Modified Electrodes

s01-009

Harsha Devnani (*Chemistry, Indian Institute of Technology Delhi, Delhi, India*), Nidhi Sandal, Pravin P. Ingole

[Functionalized Carbon Nanostructure Platform for Efficient Electrochemical Removal of Heavy Metal from Aqueous System](#)

s01-010

Isabela Mattioli (*Institute of Chemistry of São Carlos, University of São Paulo, São Carlos, Brazil*), Priscila Cervini, Éder T. G. Cavalheiro

[Application of new graphite-polyurethane screen printed electrodes modified with magnetite and chitosan-coated magnetite nanoparticles in the determination of epinephrine](#)

s01-011

Reitumetse Nkhahle (*Chemistry, Rhodes University, Grahamstown, South Africa*), Kutloano Sekhosana, Sixolile Centane, Tebello Nyokong

[Enhancing the electrocatalytic activity of cobalt phthalocyanines through coupling with nitrogen-doped graphene quantum dots](#)

s01-012

Samuel Piña (*Centro de Biotecnología y Facultad de Ciencias Químicas, Universidad de Concepción, Concepción, Chile*), Ricardo Salazar, Natalia Hassan

[C/Au nanostructured electrodes for electroanalytical environmental analysis in water](#)

s01-014

Elisama Vieira dos Santos (*School of Science and Technology, Federal University of Rio Grande do Norte, Natal, Brazil*), Mayra K. S. Monteiro, Emily Costa, Djalma R. da Silva, Vitor J. P. Vilar, Carlos A. Martínez-Huitle

[Voltammetric determination of caffeine in real sample based on the cork-graphite electrochemical sensor](#)

Paper-based Electrodes

s01-015

Samantha Douman (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Wireless Electrochemiluminescence at Nafion-Carbon Microparticle Composite Films](#)

s01-016

Chenzhong Li (*Biomedical Engineering, Florida Intl. University and /Shaanxi Normal University, Miami, USA*), Chengxiao Zhang, Nengying Wu

[Nanozyme Integrated Paper Electrode Sensing Platform for DNA Oxidative Damage Assessment](#)

s01-017

Clementine Juliat Luow (*Chemistry Department, University of the Western Cape, Cape Town, South Africa*), Priscilla Baker

[Paper based electrochemical sensor for environmental analysis](#)

Sensors and Biosensors

s01-018

Egor Andreev (*Chemistry faculty, M.V. Lomonosov Moscow State University, Moscow, Russia*), Vera Shavokshina, Maria Komkova, Ilya Aparin, Timofei Zatsepin, Arkady Karyakin

[Enhanced Electrochemical Kinetics of Azidomethyl Substituted Poly\(3,4-ethylenedioxythiophene\) for DNA Sensor Elaboration](#)

s01-019

Christian Candia Onfray (*Química de los Materiales, Universidad de Santiago de Chile, Santiago, Chile*), Soledad Bollo, Claudia Yáñez, F. Javier Recio, Ricardo Salazar

[Amperometric Detection of H₂O₂ using Fe-N-C pyrolyzed catalysts](#)

s01-020

Filippo Cavalca (*R&D, Spectro Inlets, Copenhagen, Denmark*), Daniel Trimarco

[Molecular Stop-Motions: Unravelling Transient Electrochemical Phenomena at the Millisecond Timescale using EC-MS](#)

s01-021

Phathisanani Hloma (*Chemistry, Durban University of Technology, Durban, South Africa*), Krishna Bisetty, Myalo Sabela, S'vardhan Kanchi

[Development of an electrochemical immunosensor for the detection of steviol glycosides by experimental and computational methods](#)

s01-022

Ricardo Leote (*National institute of Materials Physics, University of Bucharest, Magurele, Romania*), Victor Diculescu

[Bienzymatic Biosensor for Phosphoenolpyruvate Determination Based on Pyruvate Kinase and Pyruvate Oxidase Cascade Reaction](#)

s01-023

Sonoko Shinohara (*Electrical, Electronic, and Communication Engineering, Chuo University, Tokyo, Japan*), Mariko Matsunaga

[Highly Sensitive Electrochemical Glucose Sensing Using a Mesoporous Platinum Electrode in Alkaline Solutions](#)

s01-024

Mei-Jywan Syu (*Chemical Engineering, National Cheng Kung University, Tainan, Taiwan*), Yi Hu

[Fabrication of an Immobilized Sensor for the Detection of Creatinine in Urine](#)

s01-025

Marcos Teixeira (*Dep. of Chemistry and Biochemistry, Sao Paulo State University (UNESP), Presidente Prudente, Brazil*), Nayara Alves, Andre Olean-Oliveira, Celso Cardoso, Patricia Seraphim

[Application of Bismuth Vanadate Based Photochemiresistor Sensor for Chemical Oxygen Demand Determination](#)

Symposium 2 Sensors and Biosensors for Biomedical and Environmental Applications

Aptasensors

s02-001

Kaylin Januarie (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Quantum dot Impedimetric Phase Angle based Aptasensor for TB biomarker detection](#)

s02-002

Guozhen Liu (*Graduate School of Biomedical Engineering, The University of New South Wales, Sydney, Australia*), Chaomin Cao

[Nanotechnology Assisted Electrochemical Biosensing Devices for Continuous Monitoring of Cytokines in Inflammatory Mice](#)

s02-003

Ntsoaki Mphuthi (*Advance Material Division, Mintek, Randburg, South Africa*), Abongile Jijana, Sibulelo Vilakazi

[Electrochemical Detection of Glucose from Whole Blood using CuS Modified Screen Printed Electrodes](#)

s02-004

Adewoyin Ogunmolasuyi (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson

[A Comparative Study of the Analytical Performance of Two Aptamers for the Impedimetric Detection of Plasmodium falciparum Lactate Dehydrogenase in Malaria-Parasitized Blood](#)

s02-005

Dupe Ojo (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Lance Ho, Janice Limson

[Optimization of Aptamer Immobilization Parameters to Improve Sensitivity of Impedimetric Histamine Aptasensor](#)

Drug profiling

s02-006

Asmaa El-Gohary (*Chemistry, Faculty of Science, Cairo University, Giza, Egypt*), Nada Atta, Ahmed Galal
[Electrochemical sensor based on crown ether/polymer/carbon nanotubes composite for simultaneous determination of levodopa, uric acid and tyrosine in biological fluids](#)

s02-007

Atal Anudeep Singh Gill (*Pharmaceutical Chemistry, University of Kwazulu-Natal, Durban, South Africa*), Sima Singh, Nikhil Agrawal, Zondi Nate, Tirivashe Chiwunze, Rajshekhar Karpoomath
[Electrochemical detection and determination of vancomycin using a novel water soluble metal organic framework](#)

s02-008

Zondi Nate (*Pharmaceutical Chemistry, University of KwaZulu-Natal, Durban, South Africa*), Atal Anudeep Singh Gill, Rajshekhar Karpoomath
[Novel flame Synthesis Of Iron Oxide Impregnated Carbon Nanotubes For Electrochemical Detection Of Antimalarial Drug: Proguanil](#)

s02-009

Andisiwe Ngwekazi (*Chemistry Department, University of the Western Cape, Cape Town, South Africa*), Priscilla Baker, Lulama Mciteka
[Voltammetric determination of metformin and its analogues using Cu modified polymer electrodes](#)

s02-010

Vernon Somerset (*Chemistry, CPUT, Bellville, South Africa*), Charlton Van der Horst, Bongiwe Silwana, Emmanuel Iwuoha
[Application of a bismuth-silver bimetallic nanosensor for improved ascorbic acid analysis in pharmaceutical samples](#)

Environmental monitoring

s02-011

Colani Fakude (*Chemical Sciences, University of Johannesburg, Johannesburg, South Africa*), Omatayo Arotiba, Nonhlangabezo Mabuba
[A Glassy Carbon Electrode Modified with Nitrogen-doped Graphene for Selenium Detection](#)

s02-012

Mugisa John (*Faculty of Engineering, International University of East Africa, Kampala, Uganda*), Masa Justus
[Low-Cost Electrochemical Micro Sensors for Technical Applications and Environmental Monitoring](#)

s02-013

Suvaradhan Kanchi (*Chemistry, Durban University of Technology, Durban, South Africa*), Suvaradhan Kanchi, Ayyappa Bathinapatla, Myalowenkosi Sabela, Krishna Bisetty
[A High Performance Electrochemical biosensor for the detection of Sucralose in Food Samples](#)

s02-014

Masaya Mitsumoto (*Department of Pure and Applied Chemistry, Tokyo University of Science, Chiba, Japan*), Yoshinao Hoshi, Isao Shitanda, Tsutomu Mikawa, Masayuki Itagaki
[Development of three - electrode type lactic acid sensor with flow path for continuous monitoring of perspiration](#)

s02-015

Lekhetso Mpeta (*Chemistry, Rhodes University, Grahamstown, South Africa*), Gertrude Fomo, Tebello Nyokong
[Electrode modification with cobalt phthalocyanine via click chemistry, for application in electrocatalysis](#)

s02-016

Xolani Ngema (*Chemistry, University of the Western Cape, Bellville, South Africa*), Priscilla Baker, Fanelwa Ajayi, Pierre-Henri Aubert, Philippe Banet
[Cytochrome P450 biosensor for the detection of TB drugs in a cocktail format in synthetic urine and environmental waters](#)

s02-017

Nomaphelo Ntshongontshi (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Monica Mir, Samuel Dulay, Josep Samitier, Emmanuel Iwuoha

[Development of a Poly\(methacrylic acid\)-co-Poly\(3,4-ethylenedioxythiophene\) Molecularly Imprinted Polymer Sensor for the Electrochemical Detection of 17 \$\beta\$ -estradiol-An Estrogenic Endocrine Disrupting Compound](#)

s02-018

Chaiya Prasittichai (*Chemistry, Kasetsart University, Bangkok, Thailand*), Orrapa Cheycharoen, Kannika Jeamjumnunja

[Electrochemical sensor of CO₂ based on surface modification of halloysite nanotube](#)

s02-019

Vernon Somerset (*Chemistry, CPUT, Bellville, South Africa*), Martin Makombe, Charlton Van der Horst, Bongiwe Silwana, Emmanuel Iwuoha

[Application of an antimony film sensor for sensitive rare earth metal analysis in tap water samples](#)

s02-020

Nanami Takahashi (*Department of Pure and Applied Chemistry, Tokyo University of Science, Chiba, Japan*), Yoshinao Hoshi, Isao Shitanda, Hiroyuki Matsui, Shizuo Tokito, Masayuki Itagaki

[Wearable dial ion sensor in sweat based on heat transfer printing](#)

s02-021

Sapo Timakwe (*Chemistry, Cape Peninsula University of Technology, Cape Town, South Africa*), Normasoldier Mngcwengi, Fredrick Okumu, Mangaka Matoetoe

[Anodic Stripping Voltammetry analysis of Lead and Cadmium in Fruit Juices using Bismuth Modified Glassy Carbon Electrode](#)

Genosensors

s02-022

Ciara O'Sullivan (*Chemical Engineering, Universitat Rovira i Virgili, Tarragona, Spain*), Nassif Chahin, Laura Uribe, Mayreli Ortiz, Ahmed Mehdi Debela, Serge Thorimbert, Berni Hasenknopf, Ioanis Katakis

[Electrochemical primer extension based on polyoxometalate electroactive labels for multiplexed detection of single nucleotide polymorphisms](#)

s02-023

Narshone Soda (*School of Environment and Science, Griffith University, Brisbane, Australia*), Muhammad Umer, Nam-Trung Nguyen, Muhammad J.A. Shiddiky

[Graphene Loaded Iron Oxide nanoparticles as a new tool for electrochemical and naked-eye detection of global DNA methylation](#)

s02-024

Ying Wan (*School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing, China*), Yan Su, Shengyuan Deng

[Ultrasensitive electrochemical detection of microRNA based on terminus-regulated DNA hydrogelation](#)

s02-025

M. Angelica del Valle (*Quimica, Pontificia Universidad Catolica de Chile, Santiago, Chile*), Manuel A. Gacitua, Fernando R. Diaz, Andres M. Ramirez

[Electrosynthesis of Polypyrrole Nanowires with Enhanced Properties](#)

Immunosensors

s02-026

Samantha Douman (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Highly Sensitive Electrochemiluminescence Signaling of Cardiac Troponin I based on Bipolar Electrochemistry](#)

s02-027

Kwanele Kunene (*Chemistry, Durban University of Technology, Durban, South Africa*), Myalowenkosi Sabela, S' vardhan Kanchi, Krishna Bisetty, Mikhael Bechelany

[Label-free Electrochemical Immunosensor for Sensitive Detection Ochratoxin A in Coffee](#)

s02-028

Francisco Martinez (*Química Inorgánica, Pontificia Universidad Católica de Chile, Santiago, Chile*), Victor Diculescu, Francisco Armijo

[Low Detection Electrochemical Immunosensor to Proteasome 20S based on Poly-indole-6-carboxylic acid](#)

s02-029

Nsovo Samuel Mathebula (*Chemistry, University of Pretoria, Pretoria, South Africa*), Kenneth Ozoemena

[Mycolic Acid Based Immunosensor for Active Tuberculosis](#)

s02-030

Francis Muya (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Priscilla Baker

[Polysulfone hydrogel nanocomposite alkaline phosphatase biosensor for the detection of Vanadium](#)

s02-031

Juan Xiang (*College of Chemistry and Chemical Engineering, Central South University, Changsha, China*)

[Co-immunocapture and Electrochemical Quantitation of Total and Phosphorylated Amyloid-beta40 Monomers](#)

s02-032

Moeng Motitswe (*Chemistry, North West University, Mmabatho, South Africa*) Eno Ebenso, Pattern Ganesh, Omolola Fayemi

[Electrochemical Detection of Pb \(II\) at PAN/Ag Modified Au Electrode](#)

Symposium 3 Fuel Cells, Biofuel Cells and Electrolyzers

(Bio)catalyst

s03-001

Shibin Yin (*Collaborative Innovation Center of Sustainable Energy Materi, Guangxi University, Nanning, China*)

[Nanostructured Materials with Boosting Efficiency for Hydrogen Evolution](#)

Electrolyzer

s03-002

Sung Mook Choi (*Surface Technology Division, Korea Institute of Materials Science, Changwon, Korea*)

[Highly Efficient Three-Dimensional Honeycomb-Like CuCo oxide Nanosheet Arrays Supported by Nickel Foam and as an Oxygen Evolution Electrode](#)

s03-003

Anzel Falch (*Chemistry, North-West University, Potchefstroom, South Africa*), De Wet Coertzen, Cobus Kriek, Pieter Levecque

[Investigating reactive sputtered IrxNiyOz electrocatalysts for the oxygen evolution reaction in alkaline media](#)

s03-004

Rhiyaad Mohamed (*HySA/Catalysis Centre of Competence, University of Cape Town, Cape Town, South Africa*), Thobani G. Gambu, Tobias Binnering, Eric van Steen

[Improving Electronic Conductivity of SnO₂ and TiO₂ via Doping: A Hybrid-Functional DFT Study](#)

s03-005

Rhiyaad Mohamed (*HySA/Catalysis Centre of Competence, University of Cape Town, Cape Town, South Africa*), Ziba Mohamed

[Oxide Supported Electrocatalysts for Energy Conversion Devices: From Concept to Reality](#)

s03-006

Praveen V. Narangoda (*Heterogeneous Reactions, Max Planck Institute for Chemical Energy Conversion, Muelheim an der Ruhr, Germany*), Ioannis Spanos, Marc F. Tesch, Robert Schlögl, Anna K. Mechler

[Rotating Disc Electrode vs. Electrochemical Flow Cell – New Pathways for Electrocatalyst Characterization](#)

s03-007

Shakeela Sayed (*HySA/Catalysis Centre of Competence, University of Cape Town, Cape Town, South Africa*), Ziba Rajan, Rhiyaad Mohamed

[Investigation of doped carbon as a catalyst support for electrochemical energy conversion devices](#)

s03-008

Pei Kang Shen (*Collaborative Innovation Center of Sustainable Energy Mater, Guangxi University, Nanning, China*), Shibin Yin

[Noble Metal Free Materials as Efficient Catalysts for Water Splitting](#)

s03-009

Thomas Turek (*Chemical and Electrochemical Process Engineering, Clausthal University of Technology, Clausthal-Zellerfeld, Germany*), Matthias Koj

[Novel alkaline water electrolysis process with nickel-iron gas diffusion electrodes for oxygen evolution](#)

s03-010

Aleksey Yaremchenko (*Department of Materials and Ceramic Engineering, CICECO - Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal*), Blanca Arias-Serrano, Ekaterina Kravchenko, Kiryl Zakharchuk, Jekabs Grins, Gunnar Svensson, Vladimir Pankov

[Oxygen-Deficient Perovskite-Related \(Nd_{0.4}Sr_{0.6}\)₂Ni_{0.8}M_{0.2}O_{4-δ} as Oxygen Electrode Materials for SOFC/SOEC](#)

Enzymatic fuel cell

s03-011

Kuan-Zong Fung (*Materials Science and Engineering, National Cheng Kung University, Tainan, Taiwan*), Shu-Yi Tsai, Jhih-Yu Tang, Jaroslaw Milewski, Tomasz Wejrzanowski

[Mixed-Conducting Mechanism for High-Temperature Fuel Cell Applications](#)

Failure mechanisms

s03-012

Hassan Moydien (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Nabeel Hussain, Pieter Levecque

[Testing Protocol for Reversal Tolerant Anodes under Cell Reversal by Simulated Fuel Starvation](#)

Fuel Cell

s03-013

Nurudeen Adewumi Adebare (*Chemical Sciences, University of the Western Cape, Cape Town, South Africa*), Lindiwe Khotseng, Akindeji Jerome Sabejeje

[Investigation of Ternary Catalysts as Anode Catalysts for Direct Methanol Fuel Cells](#)

s03-014

Wei Chen (*State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, CAS, Changchun, China*), Cheng Du, Chunmei Zhang, Ruizhong Zhang, Xiaokun Li

[Design and fabrication of porous carbonaceous electrocatalysts for the oxygen reduction reaction](#)

s03-015

Felipe De Moura Souza (*Centro de Ciencias Naturais e Humanas, Universidade Federal do ABC, Santo Andre, Brazil*), Paula Böhnstedt, Victor dos Santos Pinheiro, Luanna Silveira Parreira, Bruno Lemos Batista, Mauro Coelho dos Santos

[Pd₁Nb₁ Electrocatalyst Supported on Printex 6L Carbon Black with Improvement Performance for ADEFC](#)

s03-016

Oeznur Delikaya (*Institute of Chemistry and Biochemistry, Freie Universitaet Berlin, Berlin, Germany*), Mohammad Zeyat, Konstantin Schutjajew, Dieter Lentz, Christina Roth

[Pt nanoparticles on porous hollow electrospun carbon nanofibers as electrocatalysts for high temperature polymer electrolyte membrane fuel cell \(HT-PEMFC\) applications](#)

s03-017

Katrin F. Domke (*Molecular Spectroscopy, MPI for Polymer Research, Mainz, Germany*)

[The Correlation between Microscopic Pore Structure and Macroscopic Water and Ion Mobility in Fuel Cell Membranes](#)

s03-018

Pablo Fernández (*Physical Chemistry, State University of Campinas, Campinas, Brazil*), Gabriela Soffiati, Carlos Lima, Cinthia Zanata, Miguel San-Miguel, Marc Koper

[Electrochemical oxidation of polyols on Pt based electrodes](#)

s03-019

Firdaus Hendricks (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Shiro Tanaka, Jessica Chamier

[Improving PEM Fuel Cell Performance Using a Roll Press MPL on Metallic Gas Diffusion Layers.](#)

s03-020

Adewale Ipadeola (*Chemistry, University of The Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Microwave-assisted synthesis of Pd/SnO₂ nanoparticles on metal organic frame-derived carbon as potential electrocatalyst for ethanol fuel cells](#)

s03-021

Deborah Jones (*ICGM Aggregates, Interfaces and Materials for Energy, CNRS - University of Montpellier, Montpellier, France*), Frederic Jaouen, Pierre-Yves Blanchard, Aaron Roy, Mathias Primbs, Asad Mehmood, Anthony Kucernak, Peter Strasser, Gaetano Granozzi, Christian Durante, Laura Calvillo Lamana, Stefano Agnoli, Alex Martinez Bonastre, Dharshini Fongalland, Geoffrey Spikes, Jonathan Sharman

[Increased Understanding of non-PGM Catalysts for PEMFC Cathodes](#)

s03-022

Tita Labi (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*)

[Iridium Oxide Supported on Graphitized Carbon for use as Reversal Tolerant Anodes in PEMFCs](#)

s03-023

Augustus K. Lebechi (*School of Chemistry, Molecular Sciences Institute, University of the Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Manganese Oxide-Modified Carbon Nanofibres as Bifunctional Electrocatalysts for Oxygen Reduction and Oxygen Evolution Reactions](#)

s03-024

Jong Min Lee (*Buan Fuel Cell Center, Korea Institute of Energy Research, Buan-gun, Korea*), Song Jin, Mun Seon Kang, Beon Jun Kim, Young Woo Choi, Young Gi Yoon, Tae Hyun Yang, Min Ho Seo

[Computational approaches for improving catalytic activity and stability as electrocatalyst support for ORR in PEMFC](#)

s03-025

Tlaleng Lemeke (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Pieter Levecque, Tokoloho Rampai

[Evaluation of the potential of MAX phases as alternative supports to carbon black in PEMFC's](#)

s03-026

Suleiman Magaji (*Chemical Engineering, Ahmadu Bello University, Zaria, Nigeria*), Bello Mukhtar, Abdulhamid Hamza, Kenneth Ozoemena

[High performance nanostructured Pt-W/CeO₂-graphene composite Electrocatalysts for Application in Direct Methanol Fuel cell](#)

s03-027

Thabo Matthews (*Applied Chemistry, House nr. 5A. Louisa Street. Corner of Siemert and Beit Stre, Doornfontein, South Africa*), Nobanathi Wendy Maxakato, Patrick Ndungu

[Effect of Mn doping into NiCo₂O₄ towards Oxygen Reduction Reaction in Alkaline Media](#)

s03-028

Refiloe Modise (*Chemistry, Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Platinum nanoparticles supported on titanium dioxide nanoparticles for ethanol electro - oxidation.](#)

s03-029

Nobuhle Mpofu (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Colleen Jackson, Andrea Russell, Denis Kramer, Pieter Levecque

[Investigation of alternative support materials for platinum nanoparticles to be used as catalysts in PEM fuel cells](#)

s03-030

Yoshihiro Mugikura (*Energy Engineering Research Laboratory, Central Research Institute of Electric Power Industry, Yokosuka, Japan*), Akifumi Ido, Koichi Asano, Hiroshi Morita, Tohru Yamamoto

[Degradation analysis of SOFC performance \(6\)](#)

s03-031

Jimodo J. Ogada (*Chemical Engineering, University of Witwatersrand, Port Shepstone, South Africa*), Kenneth Ozoemena, Adewale Ipadeola, Suhail Musa, Hamish Andrew Miller, Francesco Vizza, Daniel Wamwangi

[Pd/CB-CeO₂ as Efficient Electrocatalyst for Alcohol Fuel Cell](#)

s03-032

Martin Prokop (*Department of Inorganic Technology, University of Chemistry and Technology Prague, Prague, Czech Republic*), Jakub Malis, Martin Paidar, Karel Bouzek

[Optimisation of Catalyst Coated Membrane Fabrication Protocol](#)

s03-033

Rosa Rego (*Chemistry, University of Trás-os-Montes e Alto Douro, Vila Real, Portugal*), Sónia Salomé, Ana Maria Ferraria, Ana Maria Botelho do Rego, Pere Cabot

[Facile Synthesis of New PdSnP/C Ternary Nanocatalysts as Highly Active and Stable for Ethanol Oxidation in Alkaline Media](#)

s03-034

Akindeji Jerome Sabejeje (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Lindiwe Khotseng, Nurudeen Adewumi Adebare

[Development of Carbon Supports for Direct Methanol Fuel Cells](#)

s03-035

Min Ho Seo (*Buan Fuel Cell Center, Korea Institute of Energy Research (KIER), Buan-gun, Korea*), Jong Min Lee, Mun Seon Kang, Beom Jun Kim, Young Woo Choi, Young Gi Yoon, Tae Hyun Yang, Wook Ahn

[Computational approaches for durable electro-catalyst in ORR and OER with experimental studies](#)

s03-036

Weihua Yang (*College of Materials Science and Engineering, Huaqiao University, Xiamen, China*), Yangfan Zhan, Yanxue Feng, Xinwei Duan, Qinxia Yang

[The Synthesis and Characterization of S-Doped Complex Support ORR Catalyst](#)

Microbial fuel cell

s03-037

Ioanis Katakis (*Chemical Engineering, Universitat Rovira i Virgili, Tarragona, Spain*), Zaida Herrero, Ester Clavero, Abdulaziz Bashammakh, Abdulrahman Alyoubi

[Biophotovoltaic Algal Fuel Cells for Sustainable Biorefineries](#)

s03-038

Francesca Soavi (*Department of Chemistry Giacomo Ciamician, Alma Mater Studiorum University of Bologna, Bologna, Italy*), Mehrdad Mashkour, Mostafa Rahimnejad, Mahdi Mashkour, Carlo Santoro

[Bacterial cellulose-based microbial fuel cells](#)

Symposium 4 Renewable Energy and Photo-Electrochemistry

Dye-sensitized solar cells

s04-001

Mildred Airo (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Tswarela Kolokoto, Nosipho Moloto

[Pt-free counter electrode for dye sensitized solar cell based on nickel and niobium selenide nanostructure](#)

s04-002

Francis Chindeka (*Chemistry, Rhodes University, Grahamstown, South Africa*), Tebello Nyokong, Philani Mashazi

[Optimizing Phthalocyanine Based Dye-Sensitized Solar Cells: the Role of Reduced Graphene Oxide](#)

s04-003

Tshwarela Kolokoto (*Molecular science institute, School of Chemistry, University of Witwatersrand, Johannesburg, South Africa*)

[NbSe₂ and Nb₂Se₉ nanostructures as alternative to Pt electrodes in dye-sensitized solar cells](#)

s04-004

Yuya Takekuma (*Graduate School of Engineering, Tokyo University of Science, Shinjuku, Japan*), Morio Nagata

[Photocurrent increase by Perylene Derivative as Light-Harvesting Antenna on TiO₂ in Photosystem I-based Bio-Photovoltaic Device](#)

Photo-electrocatalysis

s04-005

Bright Nsolebna Jaato (*Department of Chemistry, University of Ghana, Legon, Accra., Ghana*), Robert Kingsford-Adaboh, David Dodoo-Arhin

[H-doped TiO₂-X Nanoparticles for Hydrogen Generation and Environmental Remediation.](#)

s04-006

Julian Kund (*Institute of Analytical and Bioanalytical Chemistry, University Ulm, Ulm, Germany*), Maria Küllmer, Andrey Turchanin, Elisabeth Hofmeister, Max von Delius, Christine Kranz, S. Götz, P. Endres, S. Schubert

[Scanning electrochemical microscopy: in-situ studies of photocatalytic processes at modified carbon nanomembranes](#)

s04-007

Xiaoheng Liu (*School of Chemical Engineering, Nanjing University of Science and Technology, Nanjing, China*), Jiacheng Yao

[Facile fabrication of WO₃ film on FTO glass and its application in photoelectrocatalysis](#)

s04-008

Potlako John Mafa (*Nanotechnology and Water Sustainability Research Unit, University of South Africa, Johannesburg, South Africa*), Bulelwa Ntsendwana, Bhekie Mamba, Alex Kuvarega

[Plasmonic Ag/Ag₃PO₄/MV/EG Photoanode for Photoelectrocatalytical Degradation of Diuretic Drug: A Case Study of Hydrochlorothiazide](#)

s04-009

Yuki Tsunoda (*Electrical, Electronic, and Communication Engineering, Chuo University, Tokyo, Japan*), Mariko Matsunaga

[Influence of Benzyl Alcohol Addition on the Photocurrent of TiO₂-CNT Thin Film Electrode Prepared by Sol-Gel Dip Coating](#)

Photo-electrochemical fuel production

s04-010

Patricia Corradini (*Chemistry, Sao Carlos Federal University, Sao Carlos, Brazil*), Juliana de Brito, Lucia Mascaro

[Optimization of Bismuth Vanadate Layers Synthesis for CO₂ reduction by photo and photoelectrocatalysis](#)

s04-011

Thomas L. Maier (*Physics Department, Technical University of Munich, Garching, Germany*), Simon Filser, Johannes Wuellenweber, Robin D. Nagel, Matthias Golibrzuch, Werner Schindler, Markus Becherer, Katharina Krischer

[Hydrogen Evolution Reaction and CO₂ Reduction Reaction on Customizable Metal Nanostructures on Silicon Electrodes](#)

s04-012

Frank Marken (*Chemistry, University of Bath, Bath, United Kingdom*), Chris Bowen

[Harvesting Electrochemical Energy from Oscillating Light Sources](#)

s04-013

Litheko Legapa Nkabiti (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Development of Transition Metal Oxides as Possible Photoelectrodes for Fuel Cells](#)

Photovoltaics

s04-014

Fabian Ezema (*Department of Physics and Astronomy, University of Nigeria, Nsukka, Nigeria*), Assumpta Nwanya, Rose Osuji, A.B.C. Ekwealor, Paul Ejikeme, Malik Maaza

[Studies on the Effects of Methylammonium Lead Iodide on Nickel Oxide as A Hole Transport Material For Perovskite Solar Cells](#)

s04-015

Moleko Samuel Mkehlane (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Electrochemical and Optical Studies of Organo-chalcogenic Perovskite Nanomaterials with Potential Application in Single Junction Solar Cells](#)

s04-016

Lebogang Mosiane (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*), Manoko Maubane-Nkadimeng, Boitumelo Matsoso, Daniel Wamwangi, Neil Coville

[The effect of temperature on B and N configurations and properties of boron and nitrogen codoped multiwalled carbon nanotubes for use in photovoltaic cells](#)

s04-017

Morongwa Emmanuel Ramoroka (*Chemistry, University of the Western Cape, Cape Town, South Africa*)

[Copper Telluride Nanoparticles for Solar Cells](#)

Semiconductors

s04-018

Delvina Tarimo (*Physics, University of Pretoria, Pretoria, South Africa*), Nuru Mlyuka, Kabir Oyedotun, Ncholu Manyala

[Effects of Deposition and Annealing Conditions on Properties of Thermochromic VO₂ Films](#)

s04-019

Kazhmukhan Urazov (*Electrochemistry Technology, Sokolsky Institute of Fuel, Catalysis and Electrochemistry, Almaty, Kazakhstan*), Margarita Dergacheva, Aleksey Tameev, Oksana Gribkova

[Improving the photocurrent in electrodeposited polyaniline / Cu₂ZnSn\(S,Se\)₄ structures](#)

s04-020

Kazhmukhan Urazov (*Electrochemistry Technology, Sokolsky Institute of Fuel, Catalysis and Electrochemistry, Almaty, Kazakhstan*), Darya Puzikova, Gulnir Khussurova, Margarita Dergacheva

[Two-stage method of producing thin films based on copper-bismuth complex oxide system](#)

Solar-plus-storage

s04-021

Federico Bella (*Department of Applied Science and Technology, Politecnico di Torino, Torino, Italy*), Alberto Scalia, Alberto Varzi, Pietro Zaccagnini, Andrea Lamberti, Elena Tresso, Claudio Gerbaldi, Stefano Passerini

[Photovoltaic harvesters integrated with electrochemical double layer capacitors: novel approaches](#)

Water-splitting

s04-023

Dyovani Coelho (*Department of Chemistry, Federal University of São Carlos - UFSCar, São Carlos, Brazil*), Joao Pedro Gaudencio, Ernesto Pereira, Lucia Mascaro

[Bi Electrodeposition on WO₃ Photoanode to Improve the Photoactivity of the WO₃/BiVO₄ Heterostructure to Water Splitting](#)

s04-024

Marina Medina (*Chemistry, Federal University of São Carlos, São Carlos, Brazil*), Lucia Mascaro

[Amorphous Molybdenum Sulfide Deposited on Ti for Hydrogen Evolution Reaction](#)

s04-025

Zakhele Ndala (*Chemistry, Wits University, Johannesburg, South Africa*), Nosipho Moloto, Siziwe Gqoba, Cebisa Lingano

[Colloidal synthesis of rhenium diselenide nanomaterials and their carbon nanocomposites for applications in hydrogen evolution reactions](#)

s04-026

Siyabonga Nkabinde (*School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa*)

[Amorphous MoP and \$\alpha\$ -WP₂ particles as non-noble electrocatalysts for Hydrogen Evolution Reaction](#)

Symposium 5 Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices

Composite Electrode Materials

s05-001

Seyedsina Hejazi (*Institute of Surface Science and Corrosion (LKO), University of Erlangen-Nuremberg, Erlangen, Germany*), Marco Altomare, Shiva Mohajernia, Patrik Schmuki

[Intrinsic Au-decoration on anodic TiO₂ nanotubes grown from metastable Ti-Au sputtered alloys-High density co-catalyst decoration enhances the photocatalytic H₂ evolution](#)

s05-002

Lebogang Ramafoko (*Animal Health, North West University, Mafikeng South Africa, Mafikeng, South Africa*), Mulunda Mwanza, Eno Ebenso

[Synthesis and Cyclic voltammetry characterization of PANI-Au Modified Screen-Printed Carbon Electrode for electrocatalysis of Aflatoxins](#)

s05-003

Hanna Sopha (*Center of Materials and Nanotechnologies, University of Pardubice, Pardubice, Czech Republic*), Raul Zazpe, Milos Krbal, V.C. Anitha, Jan Prikryl, Jan M. Macak

[ALD Pt Nanoparticles decorated Anodic TiO₂ Nanotube Layers for the Electrocatalytic Oxidation of Methanol](#)

Electroanalysis

s05-004

Kevin Kantize (*Chemistry, University of KwaZulu-Natal, Pietermaritzburg, South Africa*)

[Electrochemical sensing of acetaminophen using nanocomposites comprised of cobalt phthalocyanines and multiwalled carbon nanotubes](#)

s05-005

Vuyelwa Ngwenya (*Department of Chemistry, University of KwaZulu-Natal, Pietermaritzburg, South Africa*), Irvin Booysen, Allen Mambanda

[A cobalt\(II\) phthalocyanine with indole substituents: Formation, Characterization and Electrocatalytic studies](#)

s05-006

Vuyelwa Ngwenya (*Department of Chemistry, University of KwaZulu-Natal, Pietermaritzburg, South Africa*), Irvin Booysen, Allen Mambanda

[A cobalt\(II\) phthalocyanine with indole substituents: Formation, Characterization and Electrocatalytic studies](#)

s05-007

Fabian Schuett (*Institute of Electrochemistry, Ulm University, Ulm, Germany*), Jerome Mayer, Maren-Kathrin Heubach, Maximilian Ceblin, Ludwig A. Kibler, Timo Jacob

[Differences in the Electrochemical Deposition of Zinc from the Ionic Liquid \[MPPI\]\[TFSI\] on Au\(111\) and Au\(100\) Model Electrodes](#)

s05-008

Patrick Marcel Seumo Tchekwagep (*Inorganic Chemistry, University of Yaounde I, Yaounde, Cameroon*), Philip Bartlett

[Electrochemical SERS to Measure Redox Potential of Methylene Blue Bound to Bovine Serum Albumin](#)

s05-009

Patrick Marcel Seumo Tchekwagep (*Inorganic Chemistry, University of Yaounde I, Yaounde, Cameroon*), Baudelaire Matangou Sonkoue, Charles Péguy Nanseu-Njiki, Emmanuel Ngameni

[Electrochemical Determination of Arsenic using Silver Nanoparticles](#)

s05-010

Eseoghene Umukoro (*Department of Chemistry, Obafemi Awolowo University, Ile-Ife, Nigeria*), Azeez Idris, Benjamin Orimolade, Bilainu Oboirien, Omotayo Arotiba

[Application of Electrodeposited Gold-Poly \(Propylene Imine\) Dendrimer on Expanded Graphite for the Voltammetric Detection of Lead \(IV\) in Water](#)

Electrochemical Devices

s05-011

Siyabonga Shoba (*Chemistry, Nelson Mandela University, Port Elizabeth, South Africa*), Adeniyi Ogunlaja

[Polyaniline nanocomposite based electrochemical sensor for detection of organosulfur compounds in fuels](#)

Gold, Silver, Copper

s05-012

Gcinisizwe Dlamini (*Chemical Engineering, University of Cape Town, Cape Town, South Africa*), Patricia Kooyman

[CuAg bimetallic nanoparticles for the electrochemical reduction of carbon dioxide](#)

s05-013

Sphamandla Ngunqa (*Chemistry, University of the Western Cape, Cape Town, South Africa*), Usisipho Feleni, Takalani Mulaudzi-Masuku, Rachel Ajayi

[Cost-effective gold nanoparticles functionalized with *Musa paradisiaca* and *Vitis vinifera* extracts as sensing platforms for the detection of *E.coli* O157:H7](#)

Molecular Electrocatalysis

s05-014

Serena Arnaboldi (*Dipartimento di Chimica, Università degli Studi di Milano, Milano, Italy*), Armando Gennaro, Abdirisak Ahmed Isse, Christian Durante, Patrizia Romana Mussini

[The Electrocatalytic Cleavage of Carbon-Halide Bonds on Ag, Au and Cu electrodes: from aprotic and protic traditional solvents to ionic liquids](#)

s05-015

Patrizia Romana Mussini (*Dipartimento di Chimica, Università degli Studi di Milano, Milano, Italy*), Serena Arnaboldi, Mirko Magni, Ester Giussani, Chiara D'Aloi, Armando Gennaro, Abdirisak Ahmed Isse, Tiziana Benincori, Emanuela Licandro, Silvia Cauteruccio, Elena Cariati, Elena Lucenti

[Electrocatalytic Reduction of Heteroaromatic Halides on Gold and Silver Electrodes: Synergy in Electrocatalysis](#)

s05-016

Wei Zhou (*Department of Chemistry, Shanghai University, Shanghai, China*), Xingyuan Qiu, Na Wang, Qi Qi, Chengzi Qi, Yukio Ouchi

[Electrochemical oxygen reduction and evolution on graphene supported Au nanoparticles in ionic liquid](#)

Spectroelectrochemistry and Electroluminescence

s05-017

David Hernández-Santos (*R&D, Metrohm Dropsens S.L., Llanera, Spain*), Paula Caldevilla-Collado, David Ibañez, Alejandro Pérez-Junquera, María Begona González-García, Pablo Fanjul-Bolado

[New alternatives to overcome the water limitation in NIR spectroelectrochemistry.](#)

s05-018

David Hernández-Santos (*R&D, Metrohm Dropsens S.L., Llanera, Spain*), Paula Caldevilla-Collado, David Ibañez, Alejandro Junquera-Pérez, María Begona González-García, Pablo Fanjul-Bolado

[Resolution of mixtures of vitamins by electrochemical Surface-enhanced Raman spectroelectrochemistry \(EC-SERS\)](#)

Symposium 6 Advances in Bioelectrochemistry

Biomarkers and drug carriers

s06-001

Yuki Fujimura (*Department of Pure and Applied Chemistry, Tokyo University of Science, Chiba, Japan*), Yoshinao Hoshi, Isao Shitanda, Seiya Tsujimura, Masayuki Itagaki

[Fabricated a Screen-printed Paper-based Glucose Biofuel Cell Array for Self-Powered Diaper Sensor](#)

s06-002

Siwaphiwe Peteni (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*)

[Electrochemical detection of methyl nicotinate biomarker produced by mycobacterium tuberculosis](#)

Electron transfer in biological systems

s06-003

Kosuke Ino (*Graduate School of Engineering, Tohoku University, Sendai, Japan*), Noriko Taira, Yuji Nashimoto, Hitoshi Shiku

[Electrodeposition of 3D hydrogels using 3D electrode arrays in applications of cell culture](#)

s06-004

Alexandra Teodor (*Genome Science and Technology, University of Tennessee Knoxville and Oak Ridge National Lab, Knoxville, USA*), Jyotirmoy Mondal, Michael Vaughn, Jesse Bergkamp, Barry Bruce

[Bio-Hybrid Solar Cells: Putting Photosystem I to Work](#)

s06-005

Xiaochun Tian (*CAS Key Laboratory of Urban Pollutant Conversion, Institute of Urban Environment, Chinese Academy of Sciences, Xiamen, China*), Feng Zhao

[Cathodic Electron Transfer of Shewanella Strains Revealed by Electrochemical Technologies](#)

Lipid and biomimetic membranes

s06-006

Manuela Rueda (*Department of Physical Chemistry, University of Seville, Seville, Spain*), Julia Alvarez-Malmagro, J. Jay Leitch, Zhangfei Su, Francisco Prieto, Jacek Lipkowski

[Cytidine Nucleolipid Supported on Gold \(111\) electrodes as Biomimetic Membranes: A Photon Polarization Modulation Infrared Reflection Absorption Spectroscopy Study](#)

Mechanism of enzymatic reactions

s06-007

Shota Harakawa (*College of the Science, University of Tsukuba, Tsukuba, Japan*), Seiya Tsujimura, Masanori Kaneko

[Electrochemical Methane Production Using Coenzyme F430 as an Electrocatalyst](#)

Membrane proteins and peptides at electrodes

s06-008

Fred Lisdat (*Biosystems Technology, Technical University Wildau, Wildau, Germany*), Dmitri Ciornii, Athina Zouni

[3D and transparent photobioelectrodes based on photosystem I - analysis of performance factors](#)

Symposium 7 Novel Energy Storage Materials and Devices: Batteries for Powering Tomorrow's World

Concentrated electrolytes

s07-001

Kohei Inaba (*Applied Chemistry and Chemical Engineering, Kogakuin University, Tokyo, Japan*), Keitaro Takahashi, Yuki Ishino, Yusuke Ushioda, Satoshi Kato, Shiro Seki

[Proposal of Sulfolane Electrolyte with High Lithium-salt Concentration for Realization of Next-generation Batteries](#)

s07-002

Keitaro Takahashi (*Graduate School of Applied Chemistry and Chemical Engineerin, Kogakuin University, Tokyo, Japan*), Yuki Ishino, Hiromitsu Takaba, Yasuhiro Umebayashi, Seiji Tsuzuki, Masayoshi Watanabe, Shiro Seki

[Compatibility of High-Concentrated Solvate Ionic Liquids and Low-Viscosity Dilute Solvent for High-Performance Li-S Batteries](#)

Electrode materials

s07-003

Aiman Bashir (*Material science, University of South Africa, Cape Town, South Africa*), N. Mayedwa, K. Bharuth-Ram, K. Kaviyarasu, M.B.T Tchokonte, F.I. Ezema, M. Maaza

[Investigation of electrochemical performance of the biosynthesized \$\alpha\$ -Fe₂O₃ nanorods](#)

s07-004

Kuan-Zong Fung (*Hierarchical Green-Energy Materials Research Center, National Cheng Kung University, 7, Tainan, Taiwan*), Li-Fu Chang, Shu-Yi Tsai

[Role of Defect Reaction on Electrochemical Behavior of Electrode Materials for Li Batteries](#)

s07-005

Yan-Xia Jiang (*Department of Chemistry, Xiamen University, Xiamen, China*)[NiFeP₄ semi-hollow nanocages as high performance electrocatalysts for hydrogen evolution reaction](#)

s07-006

Kaviyarasu Kasinathan (*Materials Research Group, iThemba LABS, Cape Town, South Africa*), Malik Maaza[Cadmium selenide nanoparticles under methylene blue performance: Investigation of bio-optoelectronic application](#)

s07-007

Yajuan Li (*College of Chemistry and Chemical Engineering, Central South University, Changsha, China*),

Johnny Muya Chabu, You-Nian Liu

[A Novel Graphene Oxide-Wrapped Pyramidal Sulfur Cathode with Ultra-High Sulfur Content for Lithium-Sulfur Battery](#)

s07-008

Steffen Link (*Electrochemistry and Electroplating Group, Technische Universitat Ilmenau, Ilmenau, Germany*), Svetlozar Ivanov, Andreas Bund[Electrodeposition of silicon from sulfolane-based electrolyte: Influence of substrate](#)

s07-009

Nolubabalo Matinise (*Material Research Division, iThemba Laboratory for Accelerator Based-Science, Cape Town, South Africa*), Noluthando Mayedwa, Kasinathan Kaviyarasu, Zebib Nuru, Itani Madiba, Nametso Mongwaketsi, Maaza Malik[Mixed-phase bismuth ferrite- carbon black nanocomposites by green approach as an efficient electrode material for supercapacitor application](#)

s07-010

Phathutshedzo Murovhi (*Physics, University of Pretoria, Pretoria, South Africa*)[Nanocomposite Materials Comprising MnO₂ and Activated Expanded Graphite as Electrodes for Electrochemical capacitors](#)

s07-011

Patrick Mwonga (*Physics, University of The Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena, Shunmugam Naidoo, Alex Quandt[Interrogating the Effects of Ion-Implantation-Induced Defects on the Energy Storage Properties of Bulk Crystalline and Powder Molybdenum Disulphide](#)

s07-012

Madeleine Nwankwo (*Department of Physics and Astronomy, University of Nigeria, Nsukka, Nigeria*), Blessing Ezealigo, Assumpt Nwanya, Z. Khumalo, A.B.C. Ekwealor, Rose Osuji, Paul Ejikeme, Malik Maaza, Fabian Ezema[Synthesis and Characterizations of GO/Mn₃O₄ Nanocomposite Film Electrode Materials for Supercapacitor Applications](#)

s07-013

Hiroshi Okano (*General Education, National Institute of Technology, Kagawa College, Takamatsu, Japan*), Yuta Nakamura, Takashi Inoue, Toshihiro Hosokawa, Akiyoshi Takeda[Metal Air Battery using Expanded Natural Graphite Sheet as a Cathode](#)

s07-014

Daniel Otokpa (*Department of Physics and Astronomy, University of Nigeria, Nsukka, Nigeria*), Agnes Nkele, Ugochi Chime, Blessing Ezealigo, Assumpta Nwanya, A.B.C. Ekwealor, Rose Osuji, Paul Ejikeme, Malik Maaza, Fabian Ezema[Enhanced electrochemical property of graphite decorated with Mn₃O₄ thin films towards achieving high energy storage capacity](#)

s07-015

Baoyu Sun (*School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin, China*), Geping Yin, Shuaifeng Lou, Zhengyi Qian, Chunyu Du[Novel Preparation of Hollow-Heterostructure Co₃O₄@SiO₂ Nanoparticles for Optimized Li-Ion Storage](#)

s07-016

Vladimir Zhulikov (*Laboratory of Structure of Surface Layers, Frumkin Institute of Physical Chemistry and Electrochemistry, Moscow, Russia*)

[Amorphous Electrolytic Deposits \(Re-Ni, Co-Mo, Ni-Mo etc.\) as Efficient Catalysts for Hydrogen Evolution Reaction in Alkaline Solutions: Structure and Electrocatalytic Properties](#)

Energy Conversion/Re-use

s07-017

Chengping Li (*Institute for Applied Materials - Energy Storage Systems (IA, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany), Angelina Sarapulova, Helmut Ehrenberg*)

[Understanding the Lithium Storage Mechanism in Core-Shell Fe₂O₃@C Hollow Nanospheres Derived from Metal-Organic Frameworks: An In situ diffraction using synchrotron radiation and in situ X-ray absorption spectroscopy \(XAS\)](#)

Inorganic and Polymeric Solid electrolytes

s07-018

Thomas Beuse (*MEET Battery Research Center, Münster University, Münster, Germany*), Juan Pablo Badillo, Olga Fromm, Markus Börner, Philip Niehoff, Falko Schappacher, Martin Winter

[Challenges for Processing of Cathodes for All-Solid-State Batteries: From Liquid to Solid System](#)

s07-019

Yi Cao (*Department of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin, China*), Chuankai Fu, Zhen Sun, Yunzhi Gao, Geping Yin

[Electrochemical Stability research on chain ether-based electrolyte with LiTFSI salt](#)

s07-020

Funeka Nkosi (*Department of Chemistry-Ångström Laboratory, Uppsala University, Uppsala, Sweden*), Mario Valvo, Nurul Akmaliah Dzulkurnain, Jonas Mindemark, Reza Younesi, Daniel Brandell, Kristina Edström

[LLZO- Polyester Based Composite Electrolytes for Solid-State Li-ion Batteries](#)

Li metal batteries

s07-021

Nan Chen (*School of Materials Science and Engineering, Beijing Institute of Technology, Beijing, China*), Renjie Chen

[A Novel Organosilicon Groups Functionalized Ionic Liquid Electrolyte Boosts the Performance of Dendrite-Free Lithium Batteries](#)

s07-022

Ezequiel Leiva (*Departamento de Química Teórica y Computacional, Universidad Nacional de Córdoba, Córdoba, Argentina*), Belén Suarez Ramanzin, María Rojas, Francisco García Soriano, Andrea Calderón, Manuel Otero, Daniel Barraco, Fabiana Oliva, Guillermina Luque

[Suppressing lithium dendrite formation using electrolyte additives](#)

s07-023

Sebastian Mai (*Electrochemistry and Electroplating Group, Technische Universität Ilmenau, Ilmenau, Germany*), Svetlozar Ivanov, Pierre-Etienne Cabelguen, Stephane Levasseur, Karolien Vasseur, Andreas Bund

[Rational design of Carbonate free High- and Local High Concentration Electrolytes for Lithium Metal Batteries](#)

s07-024

Elena Markevich (*Chemistry, Bar Ilan University, Ramat Gan, Israel*), Gregory Salitra, Doron Aurbach

[Very Stable Cycling of Ni-rich Cathodes with Practical Loading in the Cells with Lithium Metal Anodes in Fluoroethylene Carbonate-Based Organic Electrolyte Solutions](#)

s07-025

Tae-Sun You (*Chemical Engineering, Hanyang University, Seoul, Korea*), Jun Hwan Ahn, Sang-Min Lee

[Improvement of Cycling Stability of Lithium Metal Cell by employing the Coated Mesh Interlayer for Selected Lithium-ion Deposition](#)

Li-ion

s07-026

Susana Chauque (*Departamento de Química Fundamental, Universidade de São Paulo, Instituto de Química, São Paulo, Brazil*), Adriano H. Braga, Liane M. Rossi, Roberto M. Torresi

[Fe₃O₄@N-doped Graphene as Negative Electrode for Lithium Ion Batteries](#)

s07-027

Dong Kwan Han (*Chemical Engineering, Hanyang University, Seoul, Korea*), Seung Bo Hong, Bo Ra Jeong

[High Voltage Cycling Performance of Lithium-Ion Cells Employing a Functional Additive](#)

s07-028

Aderemi Haruna (*Chemistry, University of Witwatersrand, Johannesburg, South Africa*)

[Nanorod-like LiMn_{1.5}Ni_{0.5}O₄ for high-performance lithium-ion batteries](#)

s07-029

Mesfin Kebede (*Energy Centre, Council for Scientific and Industrial Research, Pretoria, South Africa*)

[The Use of LiMn₂O₄ Cathode and SnO₂/\(OLC\) Anode for Lithium-Ion Battery Applications](#)

s07-030

Ezequiel Leiva (*Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina*), Maximiliano Gavilán, Alexis Paz, Oscar Oviedo, Oscar Pinto, Beatriz López de Mishima, Manue Otero, Daniel Barraco

[Thermodynamic and kinetic modeling of lithium insertion in graphite- Comparison with experiments](#)

s07-031

Kabir Oyedotun (*Physics, University of Pretoria, Pretoria, South Africa*), Tshifhiwa Masikhwa, Abdulmajid A. Mirghni, Oladepo Fasakin, Mpho Lekgoathi, Ncholu Manyala

[Synthesis and fabrication of Lithium-Ion Battery Anode via a Novel Graphene-Based Carbon nanofibre Material](#)

s07-032

Khavharendwe Rambau (*Energy Storage, CSIR, Pretoria, South Africa*), Nicholas Musyoka, Nithyadharseni Palaniyandy, Jianwei Ren, Ncholu Manyala

[Recovery of Reusable Chemical Elements from Spent Lithium Ion Batteries for the Synthesis of Metal Organic Frameworks \(MOFs\)](#)

s07-033

Ortal Tiurin (*Material Science and Engineering, Technion, Haifa, Israel*)

[Li-Fluoride protective coating on LiMn_{1.5}Ni_{0.5}O₄ cathode for high-energy storage applications](#)

Metal-ion batteries

s07-034

Isabelle Kroner (*Institute of Chemical and Electrochemical Engineering, Clausthal University of Technology, Clausthal-Zellerfeld, Germany*), Steffen Krage, Thomas Turek

[Studies on the influence of phosphate on the kinetics in a vanadiumredox flow battery](#)

Na-ion

s07-035

Catia Arbizzani (*Chemistry Giacomo Ciamician, Alma Mater Studiorum Università di Bologna, Bologna, Italy*), Francesca De Giorgio, Rossano Marras, Mariasole Di Carli, Paola Gislón, Pier Paolo Prosini

[High-potential cathodes for sodium-ion batteries: synthesis, study of the intercalation process and improvement of the electrode interface](#)

s07-036

Prabeer Barpanda (*Materials Research Centre, Indian Institute of Science, Bangalore, India*), Lalit Sharma

[Sodium Metal Fluorophosphate \(Na₂MPO₄F\) Family of Insertion Materials for Sodium-ion and Sodium-air Batteries](#)

s07-037

Nkosikhona Nzimande (*Chemistry, University of Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena

[Carbon/CeO₂ dual-coated NASICON-Na₃Mn₂\(PO₄\)₂F₃ cathode based materials for high-performance sodium-ion batteries](#)

s07-038

Nithyadharseni Palaniyandy (*Energy Centre, CSIR, Pretoria, South Africa*), Malewane R. Modibedi, Mkhulu K. Mathe

[Synthesis and Characterization of F-doped \$\alpha\$ -MnO₂/Onion Like Carbon \(OLC\) Composite Cathode Material for Sodium Ion Batteries](#)

s07-039

Kristina Pfeifer (*Institute for Applied Materials - Energy Storage Systems, Karlsruhe Institute of Technology, Karlsruhe, Germany*), Julian Becherer, Chittaranjan Das, Stefanie Arnold, Helmut Ehrenberg, Sonia Dsoke

[The Detrimental Impact of Sodium Metal Electrodes on Electrochemical Experiments](#)

Post Li-ion technologies

s07-040

Philipp Adelhelm (*Institute of Technical Chemistry and Environmental Chemistry, Friedrich-Schiller-University Jena, Jena, Germany*), Lukas Medenbach

[Sulfur Spillover on Carbon Materials and Possible Impacts on Metal-Sulfur Batteries](#)

s07-041

Helmut Baltruschat (*Institute for Physical and Theoretical Chemistry, University of Bonn, Bonn, Germany*), Andreas Koellisch, Tabea Lohrmann, Philip Heinrich Reinsberg, Pawel Bawol

[The Mechanism of Li₂O₂-Monolayer Formation and Reoxidation - the Effect of Electrode Roughness](#)

s07-042

Pawel Peter Bawol (*Institute for Physical and Theoretical Chemistry, University of Bonn, Bonn, Germany*), Jan Hendrik Thimm, Philip Heinrich Reinsberg, Tabea Lohrmann

[Towards the mechanism of the solution mediated ORR by benzoquinones in metal-O₂ batteries](#)

s07-043

Natei Ermias Benti (*Environmental Science, Energy stream, Addis Ababa University, Addis Ababa, Ethiopia*)

[The Effects of CO₂ Contamination on Reaction Mechanism in Non-aqueous Na-air Batteries: A DFT Study](#)

s07-044

Nuria Garcia-Araez (*Chemistry, University of Southampton, Southampton, United Kingdom*), Rinaldo Raccichini, Liam Furness, James Dibden, Ashley Brew, He Li, John Lampkin, John Owen

[Simple impedance analysis of porous electrodes for the rational development of metal-sulfur batteries](#)

s07-045

Bernhard Gollas (*Institute for Chemistry and Technology of Materials, Graz University of Technology, Graz, Austria*), Sandra Steiner, David Moser, Gerald Kothleitner

[Morphology Control of Aluminium Anodes in Secondary Aluminium Batteries](#)

s07-046

Yuki Ishino (*Applied Chemistry and Chemical Engineering, Graduate School of Kogakuin University, Hachioji, Tokyo, Japan*), Keitaro Takahashi, Yasuhiro Umebayashi, Seiji Tsuzuki, Masayoshi Watanabe, Minori Kamaya, Shiro Seki

[Temperature dependence of lithium-sulfur battery performance](#)

s07-047

Dawid Kasprzak (*Institute of Non-Ferrous Metals Division in Poznan, Department of Advanced Materials, Poznan, Poland*), Paulina Pólrolniczak, Mariusz Walkowiak

[The development of prototype lithium-sulfur battery for autonomous unmanned platforms](#)

s07-048

Tomas Kazda (*Department of Electrical and Electronic Technology, Brno University of Technology, Brno, Czech Republic*), David Skoda, Kamil Jasso, Pavel Cudek

[Influence of Organic Binders to the Properties of Lithium-Sulfur Batteries](#)

s07-049

Young Kim (*Applied Optics and Energy Research Group, KITECH, Gwangju, Korea*), SeoungHum Jung, Duck Rye Chang

[Comprehensive study of the performance of alkaline organic redox flow batteries as large-scale energy storage systems](#)

s07-050

Daniel Langsdorf (*Institute of Physical Chemistry, Justus-Liebig-University Giessen, Giessen, Germany*), Julian Kreissl, Urmimala Maitra, Daniel Schroeder

[A diamondoid-based additive to mitigate the growth of dendrites in sodium-oxygen batteries](#)

s07-051

Yong Lu (*College of Chemistry, Nankai University, Tianjin, China*), Jun Chen

[Rechargeable Na-CO₂ Batteries: Configuration, Application, and Evolution](#)

s07-052

Yulin Ma (*School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin, China*), Chuankai Fu, Yunzhi Gao, Geping Yin

[Understanding and Improving Strategies of lithium-salt on Capacity Degradation for 4 V-Class Rechargeable All-Solid-State Lithium-metal Polymer Battery](#)

s07-053

Paulina Polrolniczak (*Department of Advanced Materials, Institute of Non-Ferrous Metals Division in Poznan, Poznan, Poland*), Dawid Kasprzak, Mariusz Walkowiak

[Investigation of lithium polysulfide encapsulation mechanism in porous carbons derived from organic sources](#)

s07-054

Kohei Shimokawa (*Institute for Materials Research, Tohoku University, Sendai, Japan*), Masanobu Nakayama, Yu Kumagai, Fumiyasu Oba, Norihiko L. Okamoto, Kiyoshi Kanamura, Tetsu Ichitsubo

[Zinc-Based Spinel-Oxide Materials Showing Reversible Spinel-Rocksalt Transition for High-Energy-Density Magnesium Rechargeable Batteries](#)

s07-055

Hui Sun (*College of New Energy and Materials, China University of Petroleum-Beijing, Beijing, China*), Zhuo-Liang Jiang, Wen-Ke Shi

[P-doped Hive-like Carbon Derived from Pinecone Biomass as Efficient Catalyst for Li-O₂ Battery](#)

s07-056

Mariusz Walkowiak (*Department of Advanced Materials, Institute of Non-Ferrous Metals, Poznan, Poland*), Paulina Polrolniczak, Dawid Kasprzak

[Study of the charge/discharge mechanism of lithium-sulfur cells using operando UV/Vis spectroscopy](#)

s07-057

Cedrik Wiberg (*Chemistry and Chemical Engineering, Chalmers University of Technology, Göteborg, Sweden*), Elisabet Ahlberg, Ergang Wang

[Organic Molecules for Aqueous Organic Redox Flow Batteries: Synthesis and Electrochemical Investigation](#)

s07-058

Min Hong Woo (*Applied Optics and Energy Research Group, KITECH, Gwangju, Korea*), Duck Rye Chang

[A PEO/LLZO Solid Composite Electrolyte for Solid State Lithium Ion Battery](#)

Supercapacitor

s07-059

Tjatji Tjebane (*Physics, University of Pretoria, Pretoria, South Africa*), Damilola Momodu, Ncholu Manyala

[Effect of Carbonization Time on Compactified Samples from Plant Biomass Waste for Electrochemical Device Electrodes](#)

Symposium 8 Sustainable Resources, Processes and Design of High Power Supercapacitors

Asymmetric and hybrid devices

s08-001

Simon Lindberg (*Physics, Chalmers University of Technology, Gothenburg, Sweden*), Aleksandar Matic, Ncholu Manyala, Patrik Johansson, Thierry Brousse

[Investigation of charge storage mechanisms in hybrid materials and novel electrolytes for next-generation supercapacitors](#)

s08-002

Belinda Moyo (*Physics, Univeristy of Pretoria, Pretoria, South Africa*), Damilola Momodu, Kabir Oyedetun, Ncholu Manyala

[Electrochemical performance metrics of a mixed-assembly activated carbon-based capacitor](#)

s08-003

Emmanuel Pameté Yambou (*Chemical Technology, Poznan University of Technology, Poznan, Poland*), Barbara Górska, François Béguin

[Hybrid capacitor based on a faradaic anthraquinone-grafted carbon electrode operating in low pH aqueous salt solution](#)

s08-004

Clemence Rogier (*Thales Research and Technology / LPPI, Thales / Universite de Cergy-Pontoise, Palaiseau, France*), Gregory Pognon, Christophe Galindo, Paolo Bondavalli, Giao Tran Minh Nguyen, Cedric Vancaeyzeele, Pierre-Henri Aubert

[Development of a Nanostructured Carbon-MnO₂ Hybrid Framework by Spray Coating and Electrodeposition as High Performance Electrode Material for Supercapacitor](#)

Capacitive/pseudocapacitive electrodes

s08-005

Cheslin Brink (*Chemistry, Tshwane University of Technology, Pretoria, South Africa*), Ntwanano Chauke, Mpho Ratsoma, Letlhogonolo Mabena, Katlego Makgopa

[Effect of Metal-Organic Framework \(MOF\) Decorated on N-doped rGO and N-doped CNT for Supercapacitor Applications](#)

s08-006

Ntwanano Chauke (*Chemistry, Tshwane University Of Technology, Pretoria, South Africa*), Cheslin Brink, Mpho Ratsoma, Letlhogonolo Mabena, Katlego Makgopa

[Microwave-Assisted Synthesis Of N-rGO/Mn₃\(PO₄\)₂ and N-CNT/Mn₃\(PO₄\)₂ Nanohybrids and their electrochemical performance in Supercapacitors.](#)

s08-007

Aleksandar Dekanski (*ICTM - Department of Electrochemistry, University of Belgrade, Beograd, Serbia*), Milica Kosevic, Denis Sacer, Vladimir Panie

[Physicochemical Characteristics and Pseudocapacitive Response of RuO₂/Reduced-Graphene-Oxide Composites Prepared by Microwave Assisted Hydrothermal Synthesis](#)

s08-008

Abdulmajid A Mirghni (*Physics, University of Pretoria , Pretoria , South Africa*), Kabir Oyedotun, Okikiola Olaniyan, Badr A. Mahmoud, Ndeye Fatou Sylla, Ncholu Manyala

[Hierarchically Structured Bimetallic Phosphate Electrodes for Supercapacitors](#)

s08-009

Thokozani Tsoari (*Chemistry, University of Witwatersrand, Johannesburg, South Africa*), Kenneth Ozoemena, Funeka Nkosi

[Enhanced Electrochemical Performance of Nickel\(II\)-tetrapyrazino-porphyrazine Intercalated Two-Dimensional Titanium Carbide Nanosheets for Symmetric Supercapacitors in Aqueous Electrolyte](#)

Renewable energy storage and distribution

s08-010

Otokpa Otseme (*Physics and Astronomy, University of Nigeria, Nsukka, Nigeria*), Ezema Fabian, A.B.C
Ekwalor, H. I. Zarma

[Energy Management Techniques For Self Reliance And Sustainable Development In Nigeria](#)

Supercapacitor

s08-011

Tobile Khawula (*School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa*),
Nkosikhona Nzimande, Guy Kabongo, Rasmita Barik, Sekhar Ray, Kenneth Ozoemena

[Iron phthalocyanine modified carbon microfiber hybrids as high-performance supercapacitor](#)

s08-012

Thapelo Mofokeng (*Chemistry, University of The Witwatersrand, Johannesburg, South Africa*)

[Hierarchical material of carbon nanotubes grown on carbon nanofibers as electrode material for supercapacitors](#)

s08-013

Carlos Pereira (*Chemistry and Biochemistry, Porto University - FCUP, Porto, Portugal*), Ana Brandao, Renata Costa, Nuno Pereira, A. F. Silva

[Deep eutectic solvent/carbon materials interfacial studies for potential energy storage applications - Effect of carbon modification](#)

s08-014

Abigail Phori (*Physica and Institute of Applied Materials, University of Pretoria, Pretoria, South Africa*), Kabir Oyedotun, Abdulmajid A. Mirghni, Nchulo Manyala

[Nanostructured 2D Ti₃C₂/NiO Composite Material as Electrode for Supercapacitors Applications.](#)

s08-015

Sebenzile Shabalala (*Chemistry, Witwatersrand University, Johannesburg, South Africa*), Zikhona Tetana, Kenneth Ozoemena

[Carbon Spheres-reinforced Electrospun Carbon Nanofiber Composites for the Development of Supercapacitors](#)

s08-016

Bokome Shaku (*Chemistry, University of the Witwatersrand, Johannesburg, South Africa*)

[Physico-chemical properties of catalyst-free carbon nano-onions grown by the flame pyrolysis method for possible application in supercapacitors](#)

s08-017

Ndeye Fatou Sylla (*Physics, University of Pretoria, Hatfield, Pretoria, South Africa*), Ndeye Maty Ndiaye, Balla Diop Ngom, Damilola Momodu, Moshawe Jack Madito, Bridget Mutuma, Ncholu Manyala

[Effect of porosity enhancing agents on the electrochemical performance of high-energy ultracapacitor electrodes derived from peanut shell waste](#)

Sustainable raw materials

s08-019

Donald Kirk (*Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, Canada*)

[Carbon Dioxide Sequestration using Electrochemical Technology](#)

System integration

s08-020

Carlo Santoro (*Bristol BioEnergy Centre (BBiC), University of The West of England, Bristol, United Kingdom*),
Federico Poli, Jacopo Seri, Ncholu Manyala, Francesca Soavi

[Improving power performance of microbial fuel cells by the use of supercapacitors](#)

Symposia 9 Electro-physical Chemistry and Application of Platinum Group Metals

Catalysis (homo- and heterogeneous)

s09-001

Olawale Oloye (*School of Chemistry, Physics, and Mechanical Engineering, Queensland University of Technology, Brisbane, Australia*), Anthony O'Mullane, Geoffrey Will

[Evaluation of Highly Active PtGa Nanoparticles, Synthesized via the Galvanic Replacement of Liquid Metal Galinstan with Platinum](#)

s09-002

Germano Tremiliosi-Filho (*Institute of Chemistry of Sao Carlos, University of Sao Paulo, Sao Carlos, Brazil*),
Vinicius Del Colle, Juan Feliu, Hamilton Varela

[The Influence of Pt Step Sites Onto Methanol Electrooxidation: An Electrochemical and FTIR Studies](#)

Symposium 10 New Concepts and Opportunities in Electrochemical Synthesis: Fundamentals, Methods and Applications

De-alloying

s10-001

Christina Roth (*Institute for Chemistry and Biochemistry, Freie Universitaet Berlin, Berlin, Germany*)

[Highly selective electrochemical reduction of CO₂ to CO observed on commercially available brass electrodes modified by galvanic Zn replacement](#)

Electrodeposition

s10-002

Aleksandar Bojic (*Department of Chemistry, University of Nis, Nis, Serbia*), Slobodan Najdanovic, Milica Petrovic, Milos Kostic, Danijela Bojic, Jelena Mitrovic, Nena Velinov

[Basic Bismuth Nitrate Sorbent Synthesised by Electrochemical Procedure: Characterization and Isothermal Studies of Adsorption of Reactive Orange 16](#)

s10-003

Elena Matei (*Multifunctional Materials and Structures, National Institute of Materials Physics, Magurele, Romania*), Monica Enculescu, Victor Diclescu, Andreea Costas, Melania Onea, Ionut Enculescu

[Influence of electrodeposition parameters and electrochemical bath composition on the electrical properties of multichannel ZnO nanowire field effect transistors.](#)

s10-004

Noluthando Mayedwa (*Material Research Department, iThemba LABS, Cape Town, South Africa*), Takalani Mulaudzi-Masuku, Nolubabalo Matinise, Nametso Mongwaketsi, Malik Maaza

[Electrochemical, Optical, Structural and Microscopic Studies of ZnCrO₄ Nanomaterials Prepared Via Biosynthesis Using Natural Extracts of Hibiscus Rosa Sinensis](#)

s10-005

Falk Muench (*Department of Materials and Earth Sciences, Technische Universität Darmstadt, Darmstadt, Germany*), Sandra Schaefer, Alexander Vaskevich, Tim Boettcher, Wolfgang Ensinger

[Surface-Selective Solution Deposition of Anisotropic Metal Nanostructures: Electroless Plating Meets Shape-Controlled Nanoparticle Synthesis](#)

s10-006

Kuniaki Murase (*Department of Materials Science and Engineering, Kyoto University, Kyoto, Japan*), Ken Adachi, Atsushi Kitada, Kazuhiro Fukami

[Chrome Plating Using CaCl₂ Hydrate Melt-Based Trivalent Chromium Baths](#)

s10-007

Melania Loredana Onea (*National Institute of Materials Physics, Atomistilor 405A, University of Bucharest, Faculty of Physics, Atomistilor 405, Magurele, Romania*), Elena Matei, Monica Enculescu, Ionut Enculescu

[Synthesis and Properties of CdTe nanowires fabricated electrochemically via template method](#)

s10-008

Milica Petrovic (*Department of Chemistry, University of Nis, Faculty of Sciences and Mathematics, Nis, Serbia*), Slobodan Najdanovic, Milos Kostic, Miljana Radovic Vucic, Danijela Bojic, Aleksandar Bojic

[One Step Electrochemical Synthesis, Characterization and Photocatalytic Activity of Mono-phase Molybdenum \(IV\) Oxide](#)

s10-009

Vladimir Zhulikov (*Laboratory of structure of surface layers, Frumkin Institute of Physical Chemistry and Electrochemistry, Moscow, Russia*), Alexander Rudnev, Elena Molodkina, Mary Ehrenburg

[Initial Stages of Metal Electrodeposition on Single Crystal Electrodes from Ionic Liquids with Dicyanamide Anion](#)

Symposium 11 The Science, Technology and Engineering of Corrosion

Coatings and Inhibitors

s11-001

Muntathir AlBeladi (*NCCT, KACST, Riyadh, Saudi Arabia*), Rashed AlSanea, Talal Aljohani

[The effect of graphene addition on mechanical and corrosion properties of carbon steel Ni-P/Graphene coating](#)

s11-002

Sami Aljadaan (*NCCT, KACST, Riyadh, Saudi Arabia*), Bejad Alotaibi, Talal Aljohani

[Corrosion performance of anodized Mg alloys by Micro-Arc Oxidation \(MAO\)](#)

s11-003

Camila Canales (*Departamento de Ingenieria Hidraulica y Ambiental, Pontificia Universidad Catolica de Chile, Santiago, Chile*), Francisco Armijo, Magdalena Walczak, Rodrigo de la Iglesia, Gonzalo Pizarro, Ignacio Vargas

[Electrochemical functionalization of AISI 304 stainless steel coupons with conducting polymers: A comparative study of their performance against corrosion](#)

s11-004

Sanaz Hesamedini (*Electrical Engineering and Information Technology, TU Ilmenau, Ilmenau, Germany*), Andreas Bund

[Formation of Cr\(VI\) in cobalt containing Cr\(III\)-based treatment solution](#)

s11-005

Mohammad Jafar Mazumder (*Chemistry, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia*)

[Amino acid based new zwitterionic polymers for inhibition of mild steel corrosion in 1 M HCl](#)

s11-006

Anitah Nkuna (*Chemistry, University of Venda, Thohoyandou, South Africa*), Lutendo Murulana[Electrochemical and Surface Analysis Studies on Corrosion Inhibition of Mild Steel by Thiophenium-Based Ionic Liquids in Hydrochloric Acid Solution](#)

s11-007

Taiwo Quadri (*Department of Chemistry, North-West University (Mafikeng Campus), Mafikeng, South Africa*), Ekemini Akpan, Lukman Oluksunkanmi, Ibanga Isaac, Eno Ebenso[Inhibition Potentials of Acridine-based Thiosemicarbazones for Mild Steel Corrosion in Acidic Medium: Experimental and Theoretical Studies](#)

Corrosion protection and control

s11-008

Samuel Akinwamide (*Engineering Metallurgy, University of Johannesburg, Johannesburg, South Africa*), Deon Marais, Serge Lemika, Babatunde Obadele, Andrew Venter, Ojo Akinribide, Peter Olubambi, Bolanle Abe[Effect of Residual Stress on Corrosion Behaviour of Hot and Cold Rolled Duplex Stainless Steel in Chloride Media](#)

s11-009

Mohammad BinSabt (*Chemistry, Kuwait University, Kuwait, Kuwait*), Faizah Al-Kharafi, Maryam Abditon, Ahmed Galal[Effect of nanoparticle incorporation in silane-polymer composite coating on corrosion protection of Mg-Zn-Al alloy in aggressive corrosive media](#)

s11-010

Muteb Binrubayan (*NCCT, KACST, Riyadh, Saudi Arabia*)[Corrosion performance of anodized 2XXX Aluminum alloy by Plasma Electrolytes Oxidations \(PEO\)](#)

s11-011

Daniel J. Blackwood (*Materials Science & Engineering, National University of Singapore, Singapore, Singapore*), Mohsen Saeedikhani, Sudesh Wijesinghe[Simulation of Fe-Zn Sacrificial Corrosion under Dynamic Electrolyte Thickness Based on Real Time Monitoring Data in Singapore](#)

s11-012

Tshimangadzo Nesane (*Chemistry, University of Venda, Thohoyandou, South Africa*), Lutendo Chester Dr Murulana[Gravimetric and Adsorption Studies of Organic Synthesized Derivatives of Carboxylic Acids as Corrosion Inhibitors of Zinc Metal in Acidic Environment](#)

s11-013

Monica Santamaria (*Dipartimento di Ingegneria, Università degli Studi di Palermo, Palermo, Italy*), Francesco Di Franco, Fabio Miceli Soletta, Sannakaisa Virtanen, Keyvan Raeissi[Anodizing treatments of AZ31 alloys to control corrosion rate](#)

s11-014

Célia Regina Tomachuk (*Departamento de Ciências Básicas e Ambientais, Universidade de São Paulo, Lorena, Brazil*), Paula Letícia Corrêa de Toledo Cury, Franz Miller Branco Ferraz, Bruno Xavier de Freitas, Viviane Lima Freitas da Silva, Carlos Ângelo Nunes[Study of the Corrosion Resistance of a Magnesium Alloy Containing Rare Earth Elements for Orthopedic Implants](#)

Passivity and oxide films

s11-015

Sanaz Hesamedini (*Electrical Engineering and Information Technology, TU Ilmenau, Ilmenau, Germany*), Gernot Ecke, Andreas Bund[Structure and formation of trivalent chromium conversion coatings containing cobalt on zinc plated steel](#)

s11-016

Célia Regina Tomachuk (*Departamento de Ciências Básicas e Ambientais, Universidade de São Paulo, Lorena, Brazil*), Sandra Jesus Travassos, Hercílio Gomes de Melo

[Monitoring of the Evolution of the Patina Layer Formed on Weathering Steel Exposed for up 2 Years to the Atmosphere of Sao Paulo City](#)

s11-017

Aytac Yilmaz (*Department of Materials Science and Engineering, Delft University of Technology (TU Delft), Delft, Netherlands*), Xiaolin Li, Sven Pletincx, Tom Hauffman, Jilt Sietsma, Yaiza Gonzalez-Garcia

[Effect of Prior Austenite Grain size \(PAGS\) on Passive Layer Properties of Fully Martensitic Steels](#)

Symposium 12 The Electrochemical Technology for Water and the Environment for Social, Health and Economic Development

Capacitive deionization

s12-001

Luis A. M. Ruotolo (*Department of Chemical Engineering, Federal University of Sao Carlos, Sao Carlos, Brazil*), Kamilla M. Barcelos, Francisco G. E. Nogueira, Rafael L. Zornitta

[Optimized Polyaniline-Derived Carbon Electrodes for Capacitive Deionization](#)

Drinking water and disinfection

s12-002

M.E. Henry Bergmann (*Electroengineering and Process Technologies, Anhalt University, Koethen/Anh., Germany*)

[Is all OH calculated correctly?](#)

Electrolysis

s12-003

Woonsup Shin (*Department of Chemistry, Sogang University, Seoul, Korea*)

[Investigation of highly selective and efficient conversion of CO₂ to fomite by dental amalgam electrode](#)

s12-004

Juchan Yang (*Surface Technology Division, Korea Institute of Materials Science, Changwon, Korea*), Sung-Mook Choi

[An anode electrode for high performance water splitting system using copper cobaltite grown on Ni foam](#)

Photocatalysis and materials

s12-005

Babatunde Koiki (*Applied Chemistry, University of Johannesburg, Johannesburg, South Africa*), Omotayo Arotiba

[Enhanced Visible Light Driven Activity of p-n Heterojunctions For Photoelectrocatalysis of Pharmaceuticals By Electrodeposition of Cu₂O Films on Anodized TiO₂ Nanotube Arrays](#)

s12-006

Alex Kuvarega (*Nanotechnology and Water Sustainability Research Unit, University of South Africa, Johannesburg, South Africa*), Potlako John Mafa, Bulelwa Ntsendwana, Bhekie B Mamba

[Plasmonic silver/silver phosphate/methyl viologen/exfoliated graphite \(Ag/Ag₃PO₄/MV/EG\) Photoelectrode for Photoelectrocatalytic Degradation of Diuretic Drug](#)

s12-007

Benjamin Orimolade (*Applied Chemistry, University of Johannesburg, Johannesburg, South Africa*), Omotayo Arotiba

[Visible light driven photoelectrocatalysis of Ciprofloxacin at a FTO/BiVO₄/MnO₂ anode](#)

s12-008

Juliet Sackey (*Material Research department, iThemba LABS, Cape Town, South Africa*), Zebib Yenus, Jean Ngillirabanga, Malik Maaza, Alain Gibaud

[Electrochemical Study of Calcium Carbonate Deposited on Metals](#)

Process and Wastewater treatment

s12-009

Siphumze Bani (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Ronen Fogel, Janice Limson

[Application of different cathodic modifiers in Single-Chambered Microbial Fuel Cells versus H-type Microbial Fuel Cells for wastewater treatment](#)

s12-010

Agustin Bolzan (*Electrochemistry, Inst. Investigaciones Fisicoquimicas Teoricas y Aplicadas, La Plata, Argentina*), Carlos Seijas, Gustavo Bianchi, Liliana Gassa

[An electrocoagulation system for the removal of silica and reduction of alkalinity \(carbonates\): application to well waters and rejection water from reverse osmosis systems](#)

s12-011

Emma Elmary Gamros (*Department of Natural and Applied Sciences, Namibia University of Science and Technology, Windhoek, Namibia*)

[Development and comparison of non-imprinted and imprinted polythiophene sensors for the detection of polycyclic aromatic hydrocarbons in aqueous media](#)

s12-012

Mohd Faidzul Hakim Mohd Adnan (*Laboratoire Réactions et Génie des Procédés, CNRS-Université de Lorraine, Nancy, France*), Emmanuel Mousset, Marie-Noëlle Pons

[Elimination of Pharmaceuticals from Municipal Wastewater by Nanofiltration Coupled to Electrochemical Advanced Oxidation Process as Complementary Treatment](#)

s12-013

Tshepiso Moremedi (*Chemistry, Mahikeng, South Africa*)

[Cationic dye removal by grafted gum based polysaccharide as adsorbent: effect of various parameters](#)

s12-014

Luis A. M. Ruotolo (*Department of Chemical Engineering, Federal University of Sao Carlos, Sao Carlos, Brazil*), Alyne B Veroli, Kaíque Oliveira

[Electrochemical Degradation of Caffeic Acid Using Boron-Doped Diamond Electrode: Minimization of the Energy Consumption Using Modulated Current](#)

s12-015

Abdoulaye Thiam (*Programa Institucional de Fomento a la I+D+i, Universidad Tecnológica Metropolitana, Santiago, Chile*), Constanza Droguett, Carlos Carlesi, Ricardo Salazar

[Treatment of Antibiotic by Heterogeneous Electrochemical Fenton's based Process using Chalcopyrite as Sustainable Catalyst](#)

Remediation and detoxification

s12-016

Ronen Fogel (*Biotechnology Innovation Centre, Rhodes University, Grahamstown, South Africa*), Jan Kruid, Janice Limson

[Metallophthalocyanine-catalysed Electrochemical Advanced Oxidation Processes for cost-effective destruction of Endocrine-Disrupting Compounds](#)

s12-017

Carlos Alberto Martínez-Huitle (*Institute of Chemistry, Federal University of Rio Grande do Norte, Natal, Brazil*), Karyn N.O. Silva, João M. M. Henrique, Vãtor j.p. Vilar, Elisama Vieira dos Santos

[Novel reactive barrier concept coupled to electrokinetic remediation to remove Pb²⁺ from soil](#)

Symposium 13 Electrografting of Materials: from Fundamentals to Applications

Electrografting

s13-001

Juan Carlos Calderón Gómez (*Technical and Macromolecular Chemistry, Universität Paderborn, Paderborn, Germany*), Jiangling Su, Alejandro González Orive, Guido Grundmeier

[Surface Modification of Al-7075 Alloy by Electrografting of 4-Nitrobenzenediazonium Salts](#)

Surface Modification

s13-002

Ana María Méndez-Torres (*Faculty of Chemical and Pharmaceutical Sciences, University of Chile, Santiago, Chile*)

[Comparative study of inclusion abilities of methylated and non-methylated \$\alpha\$ -cyclodextrin immobilized on gold electrodes](#)

s13-003

Guobao Xu (*State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, CAS, Changchun, China*), Lishuang Fan, Saima Anjum

[Diazonium Electrografting for Stripping Analysis and Fabrication of Biomembrane-like Film](#)

Symposium 14 Molecular Electrochemistry: from Fundamentals to Applications

Activation and Reactivity

s14-001

Emmie Chiyindiko (*Chemistry, University of Free State, Bloemfontein, South Africa*), Jeanet Conradie, Ernst Langner

[Electrochemistry of gamma-substituted complexes of bis\(beta-diketonato\)copper\(II\)](#)

s14-002

Jeanet Conradie (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Marrigje Marianne Conradie, Hendrik Ferreira

[Redox behaviour of Substituted Tris\(1,10-phenanthroline\)cobalt\(II\) Complexes](#)

s14-003

Nandisiwe Mateyise (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Marrigje Marianne Conradie, Jeanet Conradie

[Redox behaviour \[Rh\(\$\eta^5\$ -diketonato\)\(CO\)\(PPh₃\)\] Complexes](#)

s14-004

Nandisiwe Mateyise (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Marrigje Marianne Conradie, Jeanet Conradie

[Redox behaviour 1,3-substituted-propane-1,3-diones](#)

s14-005

Tankiso Ngake (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Jeanet Conradie, Johannes Hermanus Potgieter

[Electrochemical behaviour of Tris\(beta-ketoiminato\)ruthenium\(III\) complexes](#)

Charge Transfer and Transport

s14-006

Xiao-Shun Zhou (*Institute of Physical Chemistry, Zhejiang Normal University, Jinhua, China*), Fan Zhang, Bin Huang, Xu Liu, Ju-Fang Zheng, Shan Jin

[Controlling quantum interference effect in single molecular junction by electrode potential](#)

s14-007

Deidre van der Westhuizen (*Chemistry, University of the Free State, Bloemfontein, South Africa*), Karel von Eschwege, Jeanet Conradie

[Determination of electrochemical, spectral and computational properties of substituted \[Ru\(phen\)₃\]²⁺ and \[Ru\(bpy\)₃\]²⁺ complexes](#)

Mechanisms

s14-008

Binbin Huang (*College of Environment Science and Engineering, Hunan University, Changsha, China*), Qian Guo, Chao Lei

[Fe₃O₄ Nanoparticles with Dual Electromagnetic Functions for Highly Efficient Catalytic Advanced Oxidation Processes](#)

s14-009

Xiao Lin (*Department of Chemical Engineering and Biotechnology, University of Cambridge, Cambridge, United Kingdom*), Tian Sheng, Yi-Jun Qi, P. Hu, Wen-Feng Lin, Shi-Gang Sun

[Electro-reduction of Nitrobenzene to Aniline Over Pt Catalyst: Density Functional Theory Studies](#)

s14-010

Olaf Rüdiger (*Inorganic Spectroscopy, Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*), Natalia Levin, Thomas Weyhermüller, Serena DeBeer

[In situ X-Ray Spectroelectrochemical Investigation on a Ru-based Water Oxidation Catalyst](#)

Structure-Property Relationship

s14-011

Veronica Anastasoae (*Inorganic Chemistry, Physical Chemistry and Electrochemistry, Faculty of Applied Chemistry and Materials Science, Bucharest, Romania*), Mariana Apostoiu, Georgiana-Luiza Tatu, Liviu Birzan, Eleonora-Mihaela Ungureanu, Marius Enachescu

[Carbon Based-Nanomaterials for Analytical Applications](#)

s14-012

Vladimir Azov (*Department of Chemistry, University of the Free State, Bloemfontein, South Africa*), Marcus Böckmann

[Tetrathiafulvalene-Azobenzene Macrocycles: Controlling Electrochemical Properties of Tetrathiafulvalene by Light](#)

s14-014

Shengyuan Deng (*School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing, China*), Xutong Zhang, Guang Liu, Meng Yang, Kai Kang, Jialiang Chen

[Enhanced Electrochemiluminescent Brightness and Stability of Porphyrins by Supramolecular Pinning and Pinching for Sensitive Zinc Detection](#)

s14-015

Marilia Goulart (*Institute of Chemistry and Biotechnology, Federal University of Alagoas, Maceio, Brazil*), Thaissa Silva, Fabricia Ferreira, Camila Vasconcelos, Paulo Costa, Chaquip Netto, Julio Silva

[Medicinal electrochemistry of biologically active pterocarpanquinones](#)

s14-016

Jiri Ludvik (*Molecular Electrochemistry and Catalysis, J. Heyrovsk Institute of Physical Chemistry CAS, Prague 8, Czech Republic*), Jan Svoboda, Ludmila Simkova, Jiri Pinkas

[Electrochemical Study of Titanocene Dihalides in Non-aqueous media](#)

s14-017

Karina Muñoz-Becerra (*Departamento de Química Inorgánica, Pontificia Universidad Católica de Chile, Santiago de Chile, Chile*), Pilar Herrasti, Nieves Menéndez, Ricardo Venegas, F. Javier Recio

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 Béguin, François, (Tue s08)10:10, s08-003
 Beiza, Luis, s18-003, s18-003
 Belanger, Daniel, (Thu s13)14:00
 Belharouak, Ilias, (Tue s16)14:00
 Bell, Alexis, (Wed s03b) 10:10
 Bella, Federico, (Tue s07)10:30, s04-021
 Bellini, Marco, (Mon s03)14:40, (Tue s03)17:00

- Ben Yahia, Hamdi, (*Tue s07*)10:10
 Bendikov, Tatyana, (*Tue s10*)15:20
 Benedetti, Tania, (*Fri s03*)09:30
 Benincori, Tiziana, (*Mon s01*)14:40, s05-015
 Bennett, Richard, (*Mon s03*)18:00
 Benti, Natei Ermias, (*Thu s15*)15:20, s07-043
 Bergkamp, Jesse, (*Thu s06*)18:20, s06-004
 Bergmann, M.E. Henry, (*Mon s12*)15:00, s12-002
 Berlanga, Carlos M., (*Tue s07*)14:20
 Berrios, Cristhian, s21-003
 Bertero, Enrico, (*Tue s10*)18:20
 Bertz, Morten, (*Wed s02*)09:50
 Beuse, Thomas, s07-018
 Bevilacqua, Manuela, (*Mon s03*)14:40
 Bhandari, Sabita, (*Mon s03*)10:30, (*Thu s21*)14:00
 Bharuth-Ram, K., s07-003
 Bianchi, Gustavo, s12-010
 Bienkowski, Krzysztof, (*Tue s04*)14:00
 Bilewicz, Renata, (*Tue s05*)09:50
 Billing, Caren, (*Thu s03*)17:40
 Billing, Dave, (*Thu s03*)17:40
 Binninger, Tobias, (*Thu s03*)09:30, s03-004
 Binrubayan, Muteb, s11-010
 BinSabt, Mohammad, s11-009
 Birzan, Liviu, s14-011
 Bisetty, Krishna, (*Fri s15*)11:50, s01-021, s02-013, s02-027
 Bishop, Catherine, (*Fri s18*)11:10
 Bitenc, Jan, (*Tue s07*)17:40
 Bitterer, Benjamin, s20-001
 Bizzotto, Francesco, (*Tue s09*)15:20
 Björk, Jonas, (*Thu s21*)15:40, (*Fri s21*)09:30
 Bjorklund, Sebastian, (*Mon s02*)14:20
 Bkhach, Sihame, (*Tue s16*)15:40
 Blackwood, Daniel J., (*Thu s11*)15:40, s11-011
 Blanchard, Pierre-Yves, s03-021
 Blawert, Carsten, (*Wed s11*)09:30
 Bocchi, Nerilso, (*Mon s12*)14:40
 Bodoardo, Silvia, (*Thu s07*)17:00
 Böckmann, Marcus, s14-012
 Böhnstedt, Paula, s03-015
 Börner, Markus, s07-018
 Boettcher, Tim, s10-005
 Bojić, Aleksandar, s10-002, s10-008
 Bojić, Danijela, s10-002, s10-008
 Bollo, Soledad, s01-019, s20-008, s20-009
 Bolzan, Agustin, s12-010
 Bonazza, Gregorio, (*Tue s05*)09:30
 Bondavalli, Paolo, s08-004
 Bonin, Pierre, (*Thu s11*)15:00
 Bonnefont, Antoine, (*Mon s16*)17:00, (*Tue s03*)15:40
 Booyesen, Irvin, (*Fri s21*)11:10, s05-005, s05-006
 Boralugodage, Nilusha, (*Mon s03*)09:30
 Bordet, Pierre, (*Mon s03*)14:00
 Botelho do Rego, Ana Maria, s03-033
 Bott-Neto, José, (*Tue s03*)14:00
 Botte, Gerardine G., (*Thu s17*)14:20
 Bottini, Luca, (*Thu s11*)09:50
 Botz, Alexander, (*Mon s05*)15:00, (*Fri s17*)11:30
 Bougouma, Moussa, (*Thu s18*)09:30
 Boulineau, Adrien, (*Tue s07*)18:20
 Bourbon, Carole, (*Tue s07*)18:20
 Bouzek, Karel, (*Thu s03*)17:00, s03-032
 Bowen, Chris, s04-012
 Braesch, Guillaume, (*Tue s03*)15:40
 Braga, Adriano H., s07-026
 Brandao, Ana, s08-013
 Brandell, Daniel, (*Mon s07*)09:30, s07-020
 Braun, Artur, (*Mon s04*)14:00
 Brehm, Wolfgang, (*Tue s07*)14:00
 Breton, Tony, (*Tue s16*)15:40, (*Thu s13*)15:00
 Brett, Christopher, (*Tue s01*)10:10, s01-001
 Breugelmans, Tom, (*Wed s03b*)09:30, (*Fri s17*)10:10
 Brew, Ashley, s07-044
 Briega-Martos, Valentín, (*Mon s16*)10:10
 Brink, Cheslin, (*Mon s08*)15:20, s08-005, s08-006
 Brousse, Thierry, s08-001
 Bruce, Barry, (*Thu s06*)18:20, s06-004
 Bruce, Peter G., (*Wed p1*)08:15
 Brummel, Olaf, (*Tue s09*)17:40
 Brycht, Mariola, (*Tue s20*)16:40, s20-006
 Bucher, Jan, (*Tue s09*)15:20
 Bucko, Mihael, (*Thu s11*)17:40
 Buess-Herman, Claudine, (*Thu s18*)09:30
 Buess, Andrea, (*Mon s01*)14:00
 Buitelaar, Maarten, s21-001
 Bulteau, Yann, (*Thu s11*)15:00
 Bund, Andreas, s07-008, s07-023, s11-004, s11-015
 Bunea, Mihaela, (*Mon s14*)15:00
 Burrell, Robert, (*Mon s16*)16:40
 Busch, Michael, (*Wed s15*)10:30
 Bussetti, Gianlorenzo, (*Tue s10*)17:40
 Bystron, Tomas, (*Thu s03*)17:00
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 Cabelguen, Pierre-Etienne, s07-023
 Cabot, Pere, s03-033
 Calabia Gascon, Nestor, (*Thu s07*)15:00
 Calabrese Barton, Scott, (*Tue s03*)18:00
 Calderón, Andrea, s07-022
 Calderon Hernandez, José Wilmar, (*Fri s11*)09:30
 Calderón-Gómez, Juan Carlos, (*Thu s13*)15:40, s13-001
 Caldevilla-Collado, Paula, s05-017, s05-018
 Calegaro, Marcelo, s08-018
 Callone, Emanuela, (*Fri s11*)11:30
 Calvillo Lamana, Laura, s03-021
 Camara, Giuseppe A., s09-002
 Campen, R. Kramer, (*Mon s05*)16:40
 Canales, Camila, s11-003
 Canciani, Giacomo, s01-008
 Candia Onfray, Christian, s01-019
 Cañizares, Pablo, (*Tue s12*)17:00
 Cao, Chaomin, s02-002
 Cao, Yi, (*Fri s21*)11:30, s07-019
 Cappelletti, Giuseppe, (*Mon s01*)15:40
 Cardoso, Celso, s01-025
 Cariati, Elena, s05-015
 Carlesi, Carlos, s12-015
 Carroll, Liam, (*Thu s13*)14:40
 Carvajal, Juan Rodriguez, (*Thu s03*)10:30
 Casañ-Pastor, Nieves, (*Tue s16*)10:10
 Casas-Cabanas, Montse, (*Tue s07*)14:20
 Castaño-Álvarez, Mario, (*Mon s01*)15:20
 Casuse, Tybur, (*Tue s12*)15:40
 Cattarin, Sandro, (*Tue s10*)14:40
 Caussé, Nicolas, (*Thu s11*)15:00
 Cauteruccio, Silvia, s01-006, s05-015
 Cavalca, Filippo, s01-020
 Cavalheiro, Éder T. G., s01-010
 Cavallo, Carmen, (*Mon s08*)14:00
 Cazorla Soult, Marta, (*Thu s07*)15:00
 Ceaus, Catalin, (*Tue s04*)15:20
 Cebelin, Maximilian, (*Tue s20*)15:20, s05-007
 Cedano, Mario, (*Mon s14*)14:00
 Celestine, Ozoemena, (*Tue s02*)18:20
 Centane, Sixolile, (*Mon s02*)16:00, s01-011
 Cervini, Priscila, s01-010
 Cesbron, Marius, (*Tue s16*)15:40, (*Thu s13*)15:00
 Chable, Johann, (*Mon s07*)09:30
 Chahin, Nassif, s02-022
 Chamier, Jessica, (*Thu s03*)09:50, (*Fri s03b*)10:10, s03-019
 Chang, Duck Rye, s07-049, s07-058
 Chang, Li-Fu, s07-004
 Chatenet, Marian, (*Tue s03*)15:40, (*Tue s03*)16:40
 Chattot, Raphael, (*Mon s03*)14:00
 Chauke, Ntwanano, (*Mon s08*)15:20, s08-005, s08-006
 Chauque, Susana, s07-026
 Chen, Aicheng, (*Mon s05*)14:00, s20-002
 Chen, ChangGuo, (*Tue s20*)15:40
 Chen, Chusheng, (*Thu s03b*)09:50
 Chen, De-Jun, (*Mon s16*)15:00, (*Tue s03*)14:40
 Chen, Hong-Yuan, (*Mon s01*)18:00, (*Thu s19*)14:40
 Chen, Jia-Jia, (*Thu s03b*)15:20
 Chen, Jialiang, s14-014
 Chen, Jingyuan, (*Mon s16*)17:20
 Chen, Jun, (*Mon s07*)17:40, s07-051
 Chen, Liwei, (*Tue s16*)09:30
 Chen, Miao, (*Fri s18*)10:10
 Chen, Ming-Ming, (*Thu s19*)14:40
 Chen, Nan, (*Tue s07*)16:00, s07-021
 Chen, Renjie, (*Tue s07*)16:00, s07-021
 Chen, Shengli, (*Thu s15*)17:00
 Chen, Wei, (*Mon s16*)10:30, s03-014
 Chen, Yafeng, (*Tue s16*)14:40
 Chen, Yen-Ting, (*Wed s03*)10:30, (*Fri s03*)09:50, (*Fri s19*)11:30
 Chen, Yongting, (*Thu s15*)17:00
 Cheng, Jun, (*Tue s16*)15:00, s15-001
 Cheng, Zhenjie, (*Tue s16*)09:30
 Cheong, Soshan, (*Fri s03*)09:30
 Cherevko, Serhiy, (*Mon s16*)15:20, (*Tue s03*)15:20
 Cheuquepán, William, (*Tue s03*)14:00, (*Tue s16*)15:20
 Cheycharoen, Orrapa, s02-018
 Chiappe, Cinzia, s01-006
 Chibwe, Chalwe, (*Thu s18*)09:50
 Chime, Ugochi, s07-014
 Chindeka, Francis, s04-002
 Chiwunze, Tirivashe, s02-007
 Chiyindiko, Emmie, (*Mon s14*)18:20, s14-001

Choi, Hyejeong, (*Mon s14*)14:00
 Choi, Seung Yo, (*Mon s04*)09:30
 Choi, Sung-Mook, *s03-002*, *s12-004*
 Choi, Wonjung, (*Mon s04*)09:30
 Choi, Young Woo, *s03-024*, *s03-035*
 Chouchane, Mehdi, (*Mon s07*)10:30,
 (*Thu s15*)14:20
 Chowdhury, Anamika, (*Wed s03b*)10:10
 Chun, Wang-Jae, (*Thu s03*)14:40
 Chung, Sunki, *s17-005*
 Chung, Taek Dong, (*Thu s13*)16:00
 Ciampi, Simone, (*Thu s19*)17:40
 Ciornii, Dmitri, *s06-008*
 Cirilli, Roberto, *s01-006*
 Cirone, Joseph, *s20-002*
 Claessens, Raf, (*Thu s11*)15:20
 Claudio, Evangelisti, (*Tue s03*)17:00
 Clausmeyer, Jan, (*Mon s05*)15:00
 Claverie, Jerome, (*Tue s04*)09:30
 Clavero, Ester, *s03-037*
 Clément, Romain, (*Thu s06*)15:00
 Coelho dos Santos, Mauro, *s03-015*
 Coelho, Dyovani, *s04-023*
 Coertzen, De Wet, *s03-003*
 Cohen, Carter, (*Tue s03*)14:40
 Colin, Jean-Francois, (*Tue s07*)18:20
 Colò, Francesca, (*Tue s07*)10:30
 Colombo, Rafael N.P., (*Tue s05*)10:30,
 (*Thu s19*)17:40
 Coltro, Wendell, (*Tue s02*)14:00
 Combellas, Catherine, (*Thu s19*)15:20
 Comisso, Nicola, (*Tue s10*)14:40
 Conradie, Jeanet, (*Mon s14*)15:40,
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s14-005, *s14-007*
 Conradie, MARRIGJE Marianne, *s14-002*,
s14-003, *s14-004*
 Conzuelo, Felipe, (*Thu s06*)17:40
 Cook, David, (*Thu s17*)14:00
 Córdoba de Torresi, Susana,
 (*Tue s05*)10:30, (*Thu s19*)17:40
 Cornell, Ann, (*Thu s17*)10:30
 Corradini, Patricia, *s04-010*
 Corrêa de Toledo Cury, Paula Letícia,
s11-014
 Corson, Elizabeth R., (*Mon s03*)18:20
 Cortés-Arriagada, Diego, (*Tue s16*)18:00
 Cosnier, Serge, (*Mon s03*)09:30,
 (*Tue s03*)10:30, (*Thu s06*)17:00
 Costa, Emily, *s01-014*
 Costa, Paulo, *s14-015*
 Costa, Renata, *s08-013*
 Costas, Andreea, *s10-003*
 Coville, Neil, (*Fri s03*)10:10, *s04-016*,
s20-010
 Creel, Erin B., (*Mon s03*)18:20
 Crespo, Gaston A., (*Mon s01*)14:20,
 (*Tue s01*)09:30
 Crisan, Daniel Nicolae, *s21-004*
 Cristina, Matteo, (*Tue s10*)17:40
 Crockatt, Marc, (*Thu s17*)17:20
 Crozet, Marielle, *s01-008*
 Cuartero, Maria, (*Tue s01*)09:30
 Cudek, Pavel, *s07-048*
 Cui, Hua, (*Mon s02*)15:40
 Curioni, Michele, (*Thu s11*)09:50

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D'Aloi, Chiara, *s05-015*
 D'Orlyé, Fanny, (*Tue s02*)14:00,
 (*Fri s01*)09:30
 da Silva, Djalma R., *s01-014*
 Da Silva, Juarez F. L., *s09-002*
 da Silva, Wanderson, (*Tue s01*)10:10
 Daboss, Sven, (*Thu s06*)14:00
 Dainese, Tiziano, (*Mon s05*)10:10
 Damos, Flavio, (*Mon s02*)17:40
 Daniele, Salvatore, (*Tue s05*)09:30
 Daniels, Simone, (*Fri s03b*)09:30
 Darzi, Ghazwan, (*Mon s14*)14:00
 Das, Chittaranjan, *s07-039*
 Dastpak, Arman, (*Thu s11*)14:40
 Dauphin Ducharme, Philippe,
 (*Mon s02*)14:00
 Davidson, Cara Bea, (*Fri s03b*)09:30
 Davodi, Fatemeh, (*Mon s04*)15:20
 Davrain, Ygor, *s01-008*
 Davydova, Elena S., (*Tue s03*)15:20
 de Brito, Juliana, *s04-010*
 De Giorgio, Francesca, (*Thu s07*)16:40,
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 de la Cruz, Carlos, (*Thu s15*)17:20
 de la Iglesia, Rodrigo, *s11-003*
 de Melo, Hercilio G., (*Fri s11*)09:30
 de Mot, Bert, (*Wed s03b*)09:30
 De Moura Souza, Felipe, *s03-015*
 De Wael, Karolien, (*Mon s01*)16:40
 DeBeer, Serena, (*Mon s03*)16:00,
 (*Wed s03*)09:50, *s14-010*
 Dedryvere, Remi, (*Thu s03*)10:30
 Dees, Dennis, (*Mon s07*)15:00
 Deflorian, Flavio, (*Fri s11*)11:10,
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 Dekanski, Aleksandar, *s08-007*
 Dekel, Dario, (*Tue s03*)15:20,
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 Del Colle, Vinicius, (*Tue s09*)17:20,
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 del Valle, M Angelica, *s02-025*
 Delikaya, Oeznur, *s03-016*
 Delorme, Astrid, (*Tue s10*)18:00
 Deng, Min, (*Tue s07*)14:40
 Deng, Shengyuan, *s02-024*, *s14-014*
 Denzumi, Shigenobu, (*Tue s07*)09:30
 Dergacheva, Margarita, *s04-019*, *s04-020*
 Deschamps, Michael, (*Thu s03*)10:30
 Devnani, Harsha, *s01-009*
 Dhlamini, Bongive Colleen, *s17-016*
 Di Carli, Mariasole, *s07-035*
 Di Franco, Francesco, (*Thu s11*)09:50,
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 Diale, Mmantsae, *s17-007*
 Diaz, Fernando R., *s02-025*
 Dibden, James, *s07-044*
 Diculescu, Victor, (*Mon s14*)15:00,
 (*Mon s02*)18:20, (*Tue s01*)18:20,
s01-022, *s02-028*, *s10-003*, *s21-004*
 Dieckhoefer, Stefan, (*Mon s05*)15:00,
 (*Wed s03*)10:30
 Diez Perez, Ismael, (*Thu s16*)10:10
 Ding, Hao, (*Thu s19*)16:00
 Ding, Jie, (*Thu s07*)09:50
 Ding, Song-Yuan, (*Mon s16*)14:40,
s15-001
 Ding, Xing, *s16-001*
 Ding, Yuxiao, (*Tue s20*)18:00

Dippon, Michael, (*Thu s07*)09:30
 Diré, Sandra, (*Fri s11*)11:30
 Dlamini, Gcinisizwe, *s05-012*
 Doodoo-Arhin, David, *s04-005*
 Dolinska, Joanna, (*Mon s01*)15:00,
 (*Tue s01*)17:20
 Domingo-Flores, Fabiola, (*Thu s15*)09:30,
s15-007
 Dominko, Robert, (*Tue s07*)17:40,
 (*Thu s15*)10:10
 Domke, Katrin F., (*Tue s16*)17:00,
s03-017, *s19-006*
 Doneux, Thomas, (*Thu s18*)09:30
 Dong, Jin-Chao, (*Wed s16*)09:30, *s15-001*
 Dong, Qingyu, (*Tue s16*)09:30
 dos Santos, Elisama Vieira,
 (*Tue s12*)16:40, *s01-014*, *s12-017*
 dos Santos Pinheiro, Victor, *s03-015*
 Dosche, Carsten, *s19-002*
 Dou, Xinwe, (*Tue s20*)14:00
 Doublet, Marie-Liesse, (*Thu s15*)10:10
 Douman, Samantha, (*Mon s02*)16:40,
s01-015, *s02-026*
 Downard, Alison, (*Tue s20*)18:20,
 (*Thu s13*)14:40
 Drnec, Jakub, (*Mon s03*)14:00
 Droguett, Constanza, *s12-015*
 Dsoke, Sonia, (*Mon s08*)10:30, *s07-039*
 Du, Cheng, *s03-014*
 Du, Chunyu, (*Fri s21*)11:30, *s07-015*
 Du, Zhenzhen, (*Tue s20*)17:00
 Du, Zhijia, (*Tue s16*)14:00
 Duan, Xinwei, *s03-036*
 Duarte Junior, Gerson, (*Tue s02*)14:00
 Duarte, Miguel, (*Wed s03b*)09:30
 Dubau, Laetitia, (*Mon s03*)14:00,
 (*Tue s03*)16:40, (*Thu s03*)15:00
 Dubiel, Adrian, (*Tue s04*)14:00
 Ducros, Jean-Baptiste, (*Tue s07*)18:20
 Dulay, Samuel, *s02-017*
 Durante, Christian, *s03-021*, *s05-014*
 Dutta, Arnab, (*Mon s03*)09:30
 Dvorak, Dalimil, (*Mon s14*)16:00
 Dziike, Farai, (*Tue s04*)10:30
 Dzulkurnain, Nurul Akmaliah, *s07-020*
 Dzwonek, Maciej, (*Tue s05*)09:50

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Ebenso, Eno, (*Mon s05*)18:20,
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 Ebner, Kathrin, (*Tue s16*)16:00
 Ecke, Gernot, *s11-015*
 Eckl, Maximilian, (*Tue s20*)15:20
 Edström, Kristina, (*Mon s07*)09:30,
 (*Tue s07*)17:20, *s07-020*
 Eghbal Shabgahi, Ramtin, (*Mon s08*)14:40
 Ehirim, Tobechukwu J., (*Fri s01*)11:50
 Ehrenberg, Helmut, *s07-017*, *s07-039*
 Ehrenburg, Mary, *s10-009*
 Eichel, Rüdiger-A., (*Fri s20*)09:30
 Eijikeme, Paul, *s04-014*
 Eikerling, Michael, (*Thu s03*)10:10
 Einaga, Yasuaki, (*Tue s16*)18:20
 Ejikeme, Paul Madus, (*Thu s03*)17:20,
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 Ekwealor, A.B.C., *s04-014*, *s07-012*,
s07-014, *s08-010*
 El-Gohary, Asmaa, *s02-006*
 El-Sayed, Hany A., (*Tue s03*)15:00
 Elashmawy, Ahmed, (*Mon s14*)14:00

Elbashir, Nimir, (*Tue s12*)17:20, *s15-002*
 Elezovic, Nevenka, (*Mon s05*)16:00
 Ellendorff, Barbara, *s17-006*
 Emereuwa, Chigoziem, (*Wed s15*)09:50
 Enache, Teodor Adrian, (*Mon s14*)15:00, *s21-004*
 Enachescu, Marius, *s14-011*
 Enculescu, Ionut, (*Tue s01*)18:20, *s10-003*, *s10-007*
 Enculescu, Monica, (*Mon s14*)15:00, *s10-003*, *s10-007*
 Endres, P., *s04-006*
 Endrodi, Balázs, (*Thu s17*)10:30
 Ensinger, Wolfgang, *s10-005*
 Erbe, Andreas, (*Thu s16*)09:50
 Esau, Derek, (*Thu s21*)15:40, (*Fri s21*)09:30, *s21-005*
 Eslami, Maryam, (*Fri s11*)11:10
 Essehli, Rachid, (*Tue s07*)10:10
 Etienne, Mathieu, (*Thu s13*)15:20
 Evangelidis, Alexandru, (*Tue s01*)18:20
 Evrard, David, (*Mon s05*)17:40
 Exner, Kai S., (*Thu s21*)14:20
 Eyraud, Marielle, (*Wed s11*)10:30
 Ezealigo, Blessing, *s07-012*, *s07-014*
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 Fagiolari, Lucia, (*Tue s07*)10:30
 Fahy, Kieran, (*Tue s03*)14:20, (*Wed s03*)09:30
 Fakude, Colani, *s02-011*
 Falch, Anzel, *s03-003*
 Falco, Marisa, (*Tue s07*)10:30
 Fan, Jiawei, *s01-003*
 Fan, Lishuang, *s13-003*
 Fang, Yuan, (*Mon s16*)14:40, *s15-001*
 Fanjul-Bolado, Pablo, *s05-017*, *s05-018*
 Faria, Dalva L.A., (*Tue s05*)10:30
 Farnaud, Sebastien, *s17-013*
 Farquhar, Anna, (*Tue s20*)14:40
 Fasakin, Oladepo, *s07-031*
 Fayemi, Omolola E, (*Mon s12*)10:30, (*Mon s05*)18:20
 Fedel, Michele, (*Fri s11*)11:10, (*Fri s11*)11:30
 Fehse, M., (*Thu s03*)15:40
 Feleni, Usisiphio, (*Mon s02*)16:40, (*Tue s12*)14:40, (*Tue s12*)17:40, *s05-013*
 Feliu, Juan, (*Sun p1*)18:15, (*Tue s09*)17:20, *s14-013*, *s15-001*, *s17-010*
 Feng, Yanxue, *s03-036*
 Ferapontova, Elena, (*Thu s06*)15:20
 Ferdousi, Shammi A., (*Tue s07*)16:40
 Fereja, Tadesse Haile, (*Tue s14*)10:30
 Fermin, David, (*Thu s04*)09:30
 Fernandez, Asier, (*Tue s07*)16:40
 Fernández, Pablo, (*Tue s03*)14:00, *s03-018*, *s09-002*
 Fernández-la-Villa, Ana, (*Mon s01*)15:20
 Ferraria, Ana Maria, *s03-033*
 Ferre-Vilaplana, Adolfo, (*Mon s16*)10:10
 Ferreira, Fabricia, *s14-015*
 Ferreira, Hendrik, *s14-002*
 Ferreira, Mario, (*Thu s11*)17:40
 Ferreira Santos, Ana Caroline, (*Mon s02*)17:40
 Ferrer, Philippe, (*Mon s08*)10:10

Fezai, Fatma, (*Mon s05*)17:40
 Fichtner, Maximilian, (*Mon s07*)09:30
 Filhol, Jean-Sébastien, (*Thu s15*)10:10
 Filippi, Jonathan, (*Mon s03*)14:40, (*Tue s03*)17:00
 Filser, Simon, *s04-011*
 Fins, Wasina, (*Tue s02*)14:40
 Fischer, Roland A., (*Fri s19*)11:30
 Flahaut, Emmanuel, (*Fri s20*)09:50
 Flanagan, Shane, (*Tue s01*)14:40
 Focarete, Maria Letizia, (*Mon s08*)17:20, (*Thu s07*)16:40
 Fogel, Ronen, (*Mon s03*)17:20, (*Tue s12*)10:10, (*Tue s01*)14:40, (*Tue s02*)15:00, *s02-004*, *s02-005*, *s12-009*, *s12-016*
 Fomo, Gertrude, *s02-015*
 Fongalland, Dharshini, *s03-021*
 Fonseca Rodrigues, Marco-Tulio, (*Mon s07*)15:00
 Forsyth, Maria, (*Mon s07*)14:40, (*Tue s07*)16:40
 Fortuin, Adrian, (*Tue s09*)15:40
 Fracassi da Silva, Alberto, (*Tue s02*)14:00
 Frade, Jorge, (*Thu s03b*)09:30
 Francia, Carlotta, (*Thu s07*)17:00
 Francke, Robert, (*Mon s14*)15:20
 Franco, Alejandro, (*Mon s07*)10:30, (*Thu s15*)14:20, (*Thu s15*)16:00
 Franzen, David, (*Mon s05*)15:00, *s17-006*
 Freiberg, Anna, (*Thu s07*)15:20
 Freunberger, Stefan, (*Mon s07*)16:40
 Frith, James, (*Tue s16*)10:10
 Fromm, Lukas, (*Tue s09*)17:40
 Fromm, Olga, *s07-018*
 Fu, Chuankai, *s07-019*, *s07-052*
 Fuhrmann, Jürgen, (*Fri s15*)10:30
 Fujimura, Yuki, *s06-001*
 Fukami, Kazuhiro, *s10-006*
 Fukunaka, Yasuhiro, (*Thu s18*)10:10
 Fung, Kuan-Zong, *s03-011*, *s07-004*
 Furness, Liam, *s07-044*

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Gacitua, Manuel A., *s02-025*
 Gaffney, Erin M., (*Thu s06*)10:30
 Gaißmaier, Daniel, (*Tue s20*)15:20
 Gajda, Iwona, (*Tue s12*)09:50
 Galal, Ahmed, (*Tue s20*)15:20, (*Tue s20*)17:20, *s02-006*, *s11-009*
 Galceran, Montserrat, (*Tue s07*)14:20, (*Tue s07*)14:20
 Galindo, Christophe, *s08-004*
 Gambu, Thobani G., *s03-004*
 Gamros, Emma Elmary, *s12-011*
 Gao, Dunfeng, (*Thu s03b*)14:40
 Gao, Xiaohui, (*Mon s16*)10:30
 Gao, Ya, (*Thu s11*)15:40
 Gao, Yunzhi, (*Fri s21*)11:30, *s07-019*, *s07-052*
 Gaolatlhe, Lesego, (*Mon s07*)18:00, (*Mon s05*)18:00
 Garcia, Amanda, (*Mon s16*)18:00, (*Thu s17*)17:20, *s21-011*
 García Soriano, Francisco, *s07-022*
 Garcia-Araez, Nuria, (*Tue s16*)10:10, *s07-044*
 Garcia-Segura, Sergi, (*Mon s12*)16:40
 Gardin, Elise, (*Thu s11*)16:40
 Garjonytie, Rasa, (*Fri s21*)09:50
 Garrigue, Patrick, (*Thu s21*)15:00
 Garzon-Manjon, Alba, (*Fri s03*)09:50
 Gassa, Liliana, *s12-010*
 Gasteiger, Hubert A., (*Tue s03*)15:00, (*Thu s07*)15:20, (*Thu s07*)15:40
 Gaudencio, Joao Pedro, *s04-023*
 Gault, Baptiste, (*Mon s16*)15:20
 Gautam, Shreedhar, (*Thu s19*)17:40
 Gautier, Christelle, (*Tue s16*)15:40, (*Thu s13*)15:00
 Gavilán, Maximiliano, *s07-030*
 Gayton, Dan, (*Tue s16*)14:40
 Gazoni, Rodrigo, (*Thu s13*)14:40
 Ge, Junjie, (*Mon s03*)15:00, *s01-004*
 Ge Yu, Shu Kewei, (*Thu s07*)09:50
 Gebremdhin, Merid Tessema, (*Tue s02*)15:40
 Gegana, Yolanda, *s17-017*
 Gehring, Markus, (*Fri s20*)09:30
 Geneste, Florence, (*Tue s01*)16:00
 Genieser, Ronny, (*Thu s07*)17:40
 Gennaro, Armando, *s01-006*, *s05-014*, *s05-015*
 Gentil, Solene, (*Mon s03*)09:30
 Geppert, Timon N., (*Tue s03*)15:00
 Gerbaldi, Claudio, (*Tue s07*)10:30, *s04-021*
 Gertzen, Jonathan, (*Fri s15*)11:30
 Geurts, Remco, *s15-003*
 Ghica, Mariana Emilia, (*Tue s01*)10:10
 Giaume, Domitille, (*Thu s03*)10:30
 Gibaud, Alain, *s12-008*
 Gill, Atal Anudeep Singh, *s02-007*, *s02-008*
 Gilles, Bruno, (*Thu s03*)15:00
 Gislou, Paola, *s07-035*
 Giussani, Ester, *s05-015*
 Giuzio, Giovanni, *s19-006*
 Gocyla, Mateusz, *s01-002*
 Goduljan, Aleksej, (*Thu s15*)09:30
 Görling, Andreas, (*Tue s09*)17:40
 Goetheer, Earl, (*Thu s17*)17:20, *s21-011*
 Götsch, Thomas, (*Thu s03b*)14:20
 Götz, S., *s04-006*
 Gogotsi, Yury, (*Mon s08*)09:30, (*Mon s08*)09:30
 Gojkovic, Snezana, (*Mon s05*)16:00
 Goktas, Mustafa, (*Tue s07*)14:00
 Goldenstein, Helio, (*Fri s11*)09:30, (*Fri s11*)09:30
 Golibrzuch, Matthias, *s04-011*
 Gollas, Bernhard, (*Mon s07*)10:10, (*Mon s08*)17:40, *s07-045*
 Golovko, Vladimir, (*Mon s04*)17:40, (*Mon s05*)15:20
 Gomes de Melo, Hercílio, *s11-016*
 Goncales, Vinicius, (*Thu s19*)17:40
 Gonçalves, Helena, (*Tue s02*)14:40
 Gonçalves, Roger, (*Thu s21*)14:40
 González Orive, Alejandro, *s13-001*
 González-García, María Begona, *s05-017*, *s05-018*
 Gonzalez-Garcia, Yaiza, *s11-017*
 González-Orive, Alejandro, (*Thu s13*)15:40
 Gooding, Justin, (*Mon s02*)10:30, (*Thu s19*)17:40, (*Fri s03*)09:30
 Gorbatsovski, Georg, (*Tue s08*)10:30, *s16-002*

- Gorgojo, Patricia, (*Fri s03b*) 09:50
 Gorostiza, Pau, (*Thu s06*) 10:10
 Górská, Barbara, (*Tue s08*) 10:10, *s08-003*
 Gorton, Lo, (*Thu s06*) 09:30
 Gouda, Abdelaziz, (*Mon s08*) 17:00, (*Tue s04*) 18:00
 Goudeau, Bertrand, (*Thu s21*) 15:00
 Goulart, Marília, (*Mon s02*) 17:40, *s14-015*
 Gouyon, Jérémie, (*Fri s01*) 09:30
 Gqoba, Siziwe, *s04-025*
 Graf, Matthias, (*Mon s05*) 10:30
 Granozzi, Gaetano, (*Tue s09*) 14:40, *s03-021*
 Grattieri, Matteo, (*Thu s06*) 10:30
 Graves, John, (*Tue s10*) 15:00, *s17-013*
 Grecchi, Sara, (*Mon s01*) 14:40, *s01-006*
 Greene, George W., (*Mon s01*) 17:20
 Greenman, John, (*Tue s12*) 09:30, (*Tue s12*) 09:50
 Greenwood, Alan, (*Tue s10*) 15:00
 Gribkova, Oksana, *s04-019*
 Griesser, Christoph, (*Thu s03b*) 14:20
 Grimaud, Alexis, (*Thu s03*) 10:30
 Grins, Jekabs, *s03-010*
 Griveau, Sophie, (*Tue s02*) 14:00, (*Fri s01*) 09:30
 Groot, Dick, (*Fri s11*) 10:30, *s18-002*
 Gros, Pierre, (*Mon s05*) 17:40
 Gross, Andrew J., (*Thu s06*) 17:00
 Grundmeier, Guido, (*Thu s13*) 15:40, *s13-001*
 Grutzmacher, Hansjorg, (*Mon s03*) 14:40
 Gu, Yu, (*Mon s07*) 17:20
 Guay, Daniel, (*Tue s09*) 16:00
 Guazzelli, Lorenzo, *s01-006*
 Guerriero, Paolo, (*Tue s10*) 14:40
 Guglielmi, Vittoria, (*Mon s01*) 15:40
 Guo, Chengxin, (*Thu s17*) 15:20
 Guo, Feng, (*Tue s16*) 09:30
 Guo, Qian, *s14-008*
 Guo, Weiliang, (*Thu s19*) 16:00
 Guo, Zhiwei, (*Mon s16*) 15:40
 Gupta, Bhavana, (*Thu s21*) 15:00
 Guricova, Miroslava, (*Mon s14*) 16:00
 Gutierrez, Bárbara, *s20-008*
 Gutiérrez-Ceron, Cristian, (*Tue s16*) 18:00
 Gwanzura, Takunda, (*Tue s02*) 16:00
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 Habib, Irfan, (*Mon s08*) 10:10
 Hacker, Viktor, (*Mon s07*) 10:10
 Hackett, Mark J., (*Tue s02*) 16:40
 Haensch, Mareike, (*Mon s05*) 10:30
 Hagos, Tesfaye Teka, (*Mon s07*) 15:20
 Hahlin, Maria, (*Mon s07*) 09:30
 Halli, Petteri, (*Thu s17*) 17:00
 Hamnca, Siyabulela, (*Thu s06*) 16:40
 Hamza, Abdulhamid, *s03-026*
 Han, Dong Kwan, *s07-027*
 Han, Dong Suk, (*Mon s04*) 09:30, (*Tue s12*) 17:20, *s15-002*
 Han, Ji-Hyung, (*Thu s21*) 16:00
 Han, Lianhuan, (*Thu s17*) 15:20
 Han, Zhili, (*Mon s02*) 15:40
 Hangula, Bollah-Braz, (*Thu s21*) 15:20
 Hannula, Pyry, (*Thu s17*) 17:00
 Hao, Qingli, *s01-003*
 Hapiot, Philippe, (*Mon s08*) 15:40
 Haque, Alamgir, (*Thu s17*) 14:20
 Harakawa, Shota, *s06-007*
 Hartmann, Volker, (*Thu s06*) 17:40
 Haruna, Aderemi, *s07-028*
 Hasa, Ivana, (*Tue s20*) 14:00
 Haschke, Sandra, (*Tue s09*) 17:40
 Hasenknopf, Berni, *s02-022*
 Hassan, Hagar, (*Tue s20*) 15:20, (*Tue s20*) 17:20
 Hassan, Natalia, *s01-012*
 Hassel, Achim Walter, (*Thu s11*) 09:30
 Hauffman, Tom, *s11-017*
 Haupt, Dennis, (*Mon s12*) 17:00
 Haussener, Sophia, (*Mon s04*) 17:20
 He, Junwu, (*Mon s07*) 17:20
 Heggen, Marc, (*Tue s16*) 10:50
 Heinelt, Manuel, (*Thu s06*) 14:40
 Heinzmann, Marcel, (*Thu s03*) 16:40
 Hejazi, Seyedsina, (*Mon s04*) 14:40, (*Tue s04*) 15:00, *s05-001*, *s17-009*
 Hekmatfar, Maral, (*Mon s08*) 14:40
 Hempelmann, Rolf, (*Wed s07*) 10:30, *s21-006*
 Hendricks, Firdaus, (*Fri s03b*) 10:10, *s03-019*
 Henrique, João M. M., (*Tue s12*) 16:40, *s12-017*
 Hereijgers, Jonas, (*Wed s03b*) 09:30, (*Fri s17*) 10:10
 Hermann, Johannes M., (*Tue s09*) 18:20
 Hermosilla-Ibañez, Patricio, *s20-009*
 Hernández-Santos, David, *s05-017*, *s05-018*
 Herranz, Juan, (*Tue s16*) 16:00
 Herrasti, Pilar, *s14-017*
 Herrera, Francisco, *s21-003*
 Herrero, Enrique, (*Mon s16*) 10:10, *s17-010*
 Herrero, Zaida, *s03-037*
 Hesamedini, Sanaz, *s11-004*, *s11-015*
 Heubach, Maren-Kathrin, *s05-007*
 Hibbert, Brynn, (*Mon s02*) 10:30
 Hild, Stefanie, *s18-007*
 Hillman, Robert, (*Mon s16*) 16:40
 Hitaishi, Vivek, (*Thu s06*) 15:00
 Hloma, Phathisanani, *s01-021*
 Ho, Lance, (*Tue s02*) 15:00, *s02-005*
 Hocek, Michal, (*Fri s01*) 10:10
 Höche, Daniel, (*Tue s07*) 14:40, (*Wed s11*) 09:30
 Hofmeister, Elisabeth, *s04-006*
 Hoisang, Wacharaporn, (*Tue s04*) 17:40
 Holade, Yaovi, (*Mon s14*) 18:00
 Holdynski, Marcin, (*Mon s01*) 15:00, (*Tue s01*) 17:20, (*Thu s19*) 17:20
 Holmes, Stuart, (*Fri s03b*) 09:50
 Homewood, Tom, (*Tue s16*) 10:10
 Honna, Takayuki, (*Wed s02*) 09:50
 Hong, Ming, (*Wed s02*) 09:30
 Hong, Seung Bo, *s07-027*
 Hong, Wenjing, (*Tue s14*) 09:30
 Hoque, Sharmin, (*Mon s02*) 10:30
 Horstmann, Birger, (*Thu s15*) 14:00
 Hosaka, Tomooki, (*Tue s07*) 09:30
 Hoshi, Nagahiro, (*Thu s03*) 14:00
 Hoshi, Yoshinao, *s02-014*, *s02-020*, *s06-001*
 Hoshino, Tsuyoshi, (*Thu s17*) 14:40
 Hoskocova, Irena, (*Mon s14*) 16:00
 Hosokawa, Toshihiro, *s07-013*
 Hou, Sheng-Shu, (*Thu s07*) 10:30
 Hou, Weixin, (*Thu s11*) 15:40
 Howlett, Patrick C., (*Mon s07*) 14:40, (*Tue s07*) 16:40
 Hrbac, Jan, (*Tue s01*) 18:00
 Hu, Huiqin, (*Thu s04*) 10:30
 Hu, P., *s14-009*
 Hu, Shuozhen, (*Mon s04*) 15:00
 Hu, Yi, *s01-024*
 Hua, Xing, (*Thu s15*) 17:00
 Huang, Bin, *s14-006*
 Huang, Binbin, *s14-008*
 Huang, Chen-Jui, (*Mon s07*) 15:20
 Huang, Jiaxing, (*Fri s21*) 10:30
 Huang, Jie, (*Mon s16*) 15:40
 Huang, Rui, (*Tue s09*) 18:00
 Huang, Shengchao, (*Thu s19*) 14:00
 Huang, Tengxiang, (*Thu s19*) 14:00
 Huang, Yi-Fan, (*Mon s16*) 14:40
 Huang, Yu, (*Mon s03*) 10:10
 Hubin, Annick, (*Thu s07*) 15:00, (*Thu s11*) 15:20
 Hui, Pan, (*Tue s14*) 10:30
 Humphrey, Jo J. L., (*Tue s16*) 10:50
 Huo, Hua, (*Fri s21*) 11:30
 Huong Le, Thi Xuan, (*Thu s13*) 15:20
 Hursan, Dorottya, (*Thu s03b*) 10:10
 Hussain, Ghulam, (*Tue s01*) 15:40
 Hussain, Nabeel, (*Fri s03b*) 09:30, *s03-012*
 Huynh, Tan-Thanh, (*Tue s10*) 16:00
 Hwang, Bing Joe, (*Mon s07*) 15:20, (*Tue s10*) 16:00
 Hwang, Kyo-sik, (*Thu s21*) 16:00
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 Iadecola, Antonella, (*Thu s03*) 10:30
 Ibañez, David, *s05-017*, *s05-018*
 Ibragimova, Olga, (*Tue s01*) 17:40
 Ichitsubo, Tetsu, *s07-054*
 Ida, Kazuhiko, (*Tue s07*) 09:30
 Ide, Tatsuya, (*Wed s18*) 09:30
 Ido, Akifumi, *s03-030*
 Idris, Azeez, *s05-010*
 Ieropoulos, Ioannis, (*Tue s12*) 09:30, (*Tue s12*) 09:50
 Igarashi, Kiyohiko, (*Thu s06*) 15:40
 Iizuka, Shota, (*Tue s16*) 18:20
 Ikeda, Katsuyoshi, (*Tue s16*) 16:40
 Ilbert, Marianne, (*Thu s06*) 15:00
 Inaba, Kohei, *s07-001*
 Inaba, Masanori, (*Tue s09*) 15:20
 Ingham, Bridget, (*Thu s11*) 17:20
 Ingole, Pravin P., *s01-009*
 Ino, Kosuke, (*Mon s01*) 17:40, *s06-003*
 Inoue, Takashi, *s07-013*
 Ipadeola, Adewale, (*Mon s07*) 18:00, *s03-020*, *s03-031*
 Isaac, Ibanga, *s11-007*
 Ishihara, Akimitsu, (*Tue s03*) 17:20
 Ishikawa, Yosuke, (*Fri s17*) 11:10
 Ishino, Yuki, *s07-001*, *s07-002*, *s07-046*
 Ismail, Abdulghani, (*Tue s02*) 14:00
 Ismail, Hani, (*Mon s16*) 16:40
 Isse, Abdirisak Ahmed, *s01-006*, *s05-014*, *s05-015*
 Itagaki, Masayuki, *s02-014*, *s02-020*, *s06-001*
 Ivanov, Svetlozar, *s07-008*, *s07-023*
 Ivers-Tiffée, Ellen, (*Thu s07*) 09:30, (*Thu s07*) 10:10, (*Thu s15*) 14:40, (*Thu s03*) 16:40, (*Fri s15*) 10:10, *s15-003*

- Iwuoha, Emmanuel, (*Mon s02*)16:40,
(*Tue s12*)14:40, (*Tue s12*)18:00,
(*Wed s04*)10:10, (*Thu s04*)09:50,
(*Thu s04*)10:10, s02-010, s02-017,
s02-019, s21-013
- Jaato, Bright Nsolebna, s04-005
- Jackson, Colleen, (*Tue s03*)14:20, s03-029
- Jacob, Timo, (*Tue s20*)15:20,
(*Tue s20*)17:20, (*Tue s09*)18:20,
(*Thu s21*)15:40, (*Fri s21*)09:30,
(*Fri s15*)11:10, s05-007, s15-004
- Jacobs, Clayton, (*Fri s03b*)09:30
- Jacobs, Jo-rien, s18-002
- Jadwiszczak, Michal, (*Tue s04*)14:00
- Jafar Mazumder, Mohammad, s11-005,
s21-007
- Jafari, Behnaz, (*Thu s17*)14:20
- Jahn, Marcus, (*Mon s07*)16:00
- Jakmunee, Jaroon, (*Mon s02*)18:00
- Jalilian, Ehsan, (*Thu s11*)15:20
- Janaky, Csaba, (*Thu s03b*)10:10
- Januarie, Kaylin, s02-001
- Jaouen, Frederic, (*Mon s03*)10:30,
(*Tue s16*)16:00, s03-021
- Jasso, Kamil, s07-048
- Jauset Rubio, Miriam, (*Fri s01*)10:10
- Jeamjumnunja, Kannika, s02-018
- Jen, Tien-Chien, s15-005
- Jeong, Bo Ra, s07-027
- Jeong, Haejun, (*Thu s21*)16:00
- Jeong, Namjo, (*Thu s21*)16:00
- Jerkiewicz, Gregory, (*Tue s09*)14:00,
(*Thu s21*)15:40, (*Fri s21*)09:30, s21-005
- Jesus Travassos, Sandra, s11-016
- Ji, Hengxing, (*Mon s16*)16:00,
(*Tue s20*)17:00
- Ji, Hongbing, (*Wed s03b*)09:50
- Jia, Qingying, (*Tue s03*)17:20
- Jiahui, Qi, (*Thu s11*)17:20
- Jiang, Qiaoshi, (*Mon s02*)15:40
- Jiang, Yan-Xia, (*Tue s09*)18:00, s07-005
- Jiang, Zhuo-Liang, s07-055
- Jijana, Abongile, (*Mon s02*)15:00, s02-003
- Jilani, Safia, (*Tue s03*)14:40
- Jin, Shan, s14-006
- Jin, Song, s03-024
- Johansson, Patrik, (*Mon s08*)14:00,
(*Tue s07*)17:20, (*Tue s07*)17:40,
(*Thu s15*)09:50, s08-001
- John, Mugisa, s02-012
- John, Suru Vivian, (*Thu s04*)09:50
- Jones, Deborah, s03-021
- Joo, Sang Hoon,
- Joos, Jochen, (*Thu s07*)10:10,
(*Fri s15*)10:10, s15-003
- Jovanovic, Vladislava, (*Mon s05*)16:00
- Juárez, María Fernanda, (*Wed s16*)10:30,
(*Thu s15*)09:30, s15-007
- Jürjo, Silvester, s18-006
- Jun, Kyu-Yeon, (*Tue s02*)17:40
- Jung, Christoph, (*Fri s15*)11:10, s15-004
- Jung, SeoungHum, s07-049
- Junquera-Pérez, Alejandro, s05-018
- Justus, Masa, s02-012
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- Kabongo, Guy, s08-011
- Kadyk, Thomas, (*Thu s03*)10:10
- Källquist, Ida, (*Mon s07*)09:30
- Kahr, Juerger, (*Mon s07*)16:00
- Kalaga, Kaushik, (*Mon s07*)15:00
- Kallio, Tanja, (*Mon s04*)15:20
- Kamaya, Minori, s07-046
- Kameyama, Tatsuya, (*Tue s04*)17:40
- Kamruddin, Mohammed, (*Wed s04*)09:50
- Kanamura, Kiyoshi, s07-054
- Kanchi, Suvardhan, s01-021, s02-013,
s02-027
- Kaneko, Masanori, s06-007
- Kang, Kai, s14-014
- Kang, Minkyung, s19-007
- Kang, Mun Seon, s03-024, s03-035
- Kang, Xiongwu, (*Mon s16*)15:40
- Kang, Yijin, (*Fri s21*)10:30
- Kano, Kenji, (*Mon s03*)15:20
- Kanoufi, Frederic, (*Thu s19*)15:20
- Kantize, Kevin, s05-004
- Kapsa, Robert M. I., (*Mon s01*)17:20
- Kar, Manaswita, s17-014
- Karpoormath, Rajshekhar, s02-007,
s02-008
- Karpova, Elena, (*Tue s01*)15:20
- Karyakin, Arkady, (*Tue s01*)15:20,
(*Tue s01*)17:40, s01-018
- Kasian, Olga, (*Mon s16*)15:20
- Kasinathan, Kaviyarasu, s07-006
- Kasprzak, Dawid, s07-047, s07-053,
s07-056
- Kastenmeier, Maximilian, (*Tue s09*)17:40
- Katakis, Ioanis, (*Fri s01*)11:10, s02-022,
s03-037
- Katata-Seru, Lebogang, s21-008
- Kato, Masaki, (*Thu s07*)17:20
- Kato, Satoshi, s07-001
- Kato, Tomonori, (*Wed s18*)09:30
- Katsounaros, Ioannis, (*Tue s09*)17:40
- Kauppinen, Esko, (*Fri s20*)09:50
- Kavallaris, Maria, (*Mon s02*)10:30
- Kavan, Ladislav, (*Wed s04*)09:30,
(*Thu s07*)16:00
- Kaviyarasu, Kasinathan, s07-003, s07-009
- Kazda, Tomas, (*Thu s07*)18:00, s07-048
- Kebede, Mesfin, s07-029
- Keeler, Alexander, (*Tue s16*)17:20
- Kejik, Martin, (*Tue s01*)18:00
- Kelder, E.M., (*Thu s03*)15:40
- Kgatwane, Kenneth, (*Thu s15*)15:40
- Khan, Sabir, (*Mon s02*)17:40
- Khanipour, Peyman, (*Tue s09*)17:40
- Khawula, Tobile, s08-011
- Khene, Samson, (*Tue s12*)15:00,
(*Thu s21*)16:40
- Khotseng, Lindiwe, s03-013, s03-034
- Khumalo, Z. s07-012
- Khussurova, Gulnir, s04-020
- Kibler, Ludwig A., (*Tue s09*)18:20,
s05-007
- Kiefer, Mathias, (*Thu s03*)17:40
- Kiewiet, Joep, s21-001
- Killard, Anthony, (*Tue s01*)14:00
- Kim, Beom Jun, s03-024, s03-035
- Kim, Beom Kyu, s21-012
- Kim, Byeong Joo, (*Mon s04*)09:30
- Kim, Young, s07-049
- Kimura, Noritaka, (*Fri s17*)11:10
- Kingsford-Adaboh, Robert, s04-005
- Kirk, Donald, s08-019
- Kitada, Atsushi, s10-006
- Kizling, Michal, (*Tue s05*)09:50
- Klusácková, Monika, (*Mon s04*)18:20
- Knittel, Peter, (*Thu s06*)14:00
- Ko, Monika, (*Thu s11*)17:20
- Kodym, Roman, (*Thu s03*)17:00
- Koel, Bruce, (*Mon s04*)16:40
- Koellisch, Andreas, s07-041
- Koike, Junpei, (*Thu s03b*)17:40
- Koiki, Babatunde, s12-005
- Koj, Matthias, s03-009
- Kokoh, Kouakou Boniface,
(*Mon s14*)18:00
- Kolen'ko, Yury V., (*Tue s16*)10:50
- Kollender, Jan Philipp, (*Thu s11*)09:30
- Kolokoto, Tshwarela, (*Tue s04*)16:40,
s04-003, s04-001
- Komaba, Shinichi, (*Tue s07*)09:30
- Komkova, Maria, (*Tue s01*)15:20,
(*Tue s01*)17:40, s01-018
- Kondo, Airi, (*Wed s18*)09:30
- Kondo, Toshihiro, (*Thu s03*)14:40,
(*Thu s03*)15:20
- Kong, Lingxin, (*Wed s18*)10:10
- Kongstein, Ole Edvard, (*Fri s18*)09:30
- Kooyman, Patricia, s05-012
- Kopač Lautar, Anja, (*Thu s15*)10:10
- Koper, Marc, (*Mon s05*)09:30,
(*Mon s16*)18:00, (*Thu m1*)09:30,
(*Thu s03*)15:40, s03-018, s21-011
- Korolev, Ivan, (*Thu s17*)17:00
- Kosevic, Milica, s08-007
- Kostecki, Robert, (*Mon s03*)18:20
- Kostić, Milos, s10-002, s10-008
- Kothleitner, Gerald, s07-045
- Kotronia, Antonia, (*Tue s07*)17:20
- Kotsedi, Lebosans, (*Wed s04*)09:50
- Kramer, Denis, s03-029, s17-014, s20-004
- Kramm, Ulrike I., (*Tue s16*)16:00
- Krange, Steffen, s07-034
- Kranz, Christine, (*Thu s06*)14:00, s04-006
- Kravchenko, Ekaterina, s03-010
- Krbal, Milos, (*Tue s04*)10:10, s05-003
- Kreissl, Julian, s07-050
- Krewer, Ulrike, (*Wed s15*)09:30,
(*Thu s15*)15:00, (*Fri s15*)09:30,
(*Fri s17*)11:30
- Kriek, Cobus, (*Mon s05*)17:20, s03-003
- Krikstolaityte, Vida, (*Mon s02*)14:20
- Krischer, Katharina, (*Mon s16*)17:00,
s04-011
- Krishnaveni, Palanisamy, (*Tue s20*)15:20
- Kroner, Isabelle, s07-034
- Krstajic Pajic, Mila, (*Mon s05*)16:00
- Krtil, Petr, (*Mon s04*)18:20
- Kruid, Jan, s12-016
- Krysiński, Paweł, (*Tue s05*)09:50
- Kubannek, Fabian, (*Fri s17*)11:30
- Kubota, Kei, (*Tue s07*)09:30
- Kubota, Lauro, (*Tue s01*)16:40
- Kucernak, Anthony, (*Tue s03*)14:20,
(*Wed s03*)09:30, s03-021
- Kuehnelt, Moritz, (*Tue s04*)14:40
- Küllmer, Maria, s04-006
- Kuhn, Alexander, (*Tue s20*)17:40,
(*Thu s21*)15:00
- Kulesza, Paweł J., (*Mon s04*)10:10,
(*Tue s09*)15:00
- Kullgren, Jolla, (*Mon s07*)09:30
- Kumagai, Yu, s07-054
- Kumar, Abhishek, (*Mon s05*)17:00

Kund, Julian, *s04-006*
 Kunene, Kwanele, *s02-027*
 Kungl, Hans, (*Fri s20*)09:30
 Kunimoto, Masahiro, (*Wed s02*)09:50
 Kunz, Philip, (*Wed s15*)09:30
 Kunz, Ulli, (*Mon s12*)17:00
 Kunze-Liebhäuser, Julia, (*Tue s09*)14:40,
 (*Thu s03b*)14:20, *s16-001*
 Kuo, Yue, (*Tue s10*)14:00
 Kuroda, Yoshiyuki, (*Tue s03*)17:20,
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 Kutonova, Ksenia, *s20-001*
 Kuvarega, Alex, *s04-008, s12-006*
 Kuwabata, Susumu, (*Tue s04*)17:40
 Kwak, Kyuju, *c-001*
 Kyesmen, Pannan, *s17-007*

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La Mantia, Fabio, (*Thu s07*)14:00
 La Monica, Domenico, (*Thu s11*)09:50
 Labi, Tita, (*Fri s03b*)10:10, *s03-022*
 Lacaze-Dufaure, Corinne, (*Thu s11*)15:00
 Lacey, Matthew, (*Tue s07*)17:20
 Lafforgue, Clemence, (*Tue s03*)16:40
 Lahcen, Abdellatif Ait, (*Fri s01*)09:50
 Laitz, M., (*Wed s03*)09:30
 Lam, Chiu Marco, (*Mon s14*)15:20
 Lamaka, Sviatlana V., (*Tue s07*)14:40,
 (*Wed s11*)09:30
 Lamberti, Andrea, *s04-021*
 Lamichhane, Hum Bahadur,
 (*Tue s02*)16:40
 Lampkin, John, *s07-044*
 Landon-Lane, Leatham, (*Tue s20*)18:20,
 (*Fri s15*)09:50
 Lang, Jinxin, (*Fri s19*)11:10
 Lang, Michael, (*Thu s03b*)15:40
 Langner, Ernst, (*Mon s14*)18:20, *s14-001*
 Langsdorf, Daniel, *s07-050*
 Latsuzbaia, Roman, (*Thu s17*)17:20,
s21-011
 Latz, Arnulf, (*Thu s15*)14:00
 Laue, Vincent, (*Thu s15*)15:00
 Laurinavichyute, Veronika, (*Thu s19*)15:00
 Laycock, Nick, (*Thu s11*)17:20
 Le Bacq, Olivier, (*Mon s03*)14:00
 Le Goff, Alan, (*Mon s03*)09:30
 Le, Jia-Bo, (*Tue s16*)15:00
 Lebecchi, Augustus K., *s03-023*
 LeBozec, Nathalie, (*Fri s11*)10:10
 Ledwaba, Raesibe, (*Thu s15*)15:40
 Lee, Boongsoo, *s21-012*
 Lee, Dahye, (*Thu s13*)16:00
 Lee, Dongil, *c-001*
 Lee, Jae-Joon, (*Mon s04*)09:30
 Lee, Jaeyoung, *s17-005*
 Lee, Jong Min, *s03-024, s03-035*
 Lee, Junqiao, (*Tue s01*)15:40
 Lee, Sang-Min, *s07-025*
 Lee, Sunmi, (*Thu s13*)16:00
 Leech, Donal, (*Mon s03*)18:00
 Lei, Chao, *s14-008*
 Leitch, J. Jay, *s06-006*
 Leiva, Ezequiel, *s07-022, s07-030,*
s07-030, s15-006
 Lekgoathi, Mpho, *s07-031*
 Lemeke, Tlaleng, *s03-025*
 Lemika, Serge, *s11-008*
 Lemineur, Jean-Francois, (*Thu s19*)15:20
 Lemoine, Charly, (*Mon s14*)18:00
 Lemos Batista, Bruno, *s03-015*
 Leniart, Andrzej, (*Tue s20*)16:40, *s20-006*
 Lentz, Dieter, *s03-016*
 Leote, Ricardo, *s01-022*
 Leroux, Yann, (*Mon s08*)15:40
 Levason, William, (*Thu s17*)14:00
 Levasseur, Stephane, *s07-023*
 Levecque, Pieter, (*Tue s09*)15:40,
 (*Thu m1*)15:00, (*Fri s03b*)09:30,
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s03-025, s03-029
 Levillain, Eric, (*Tue s16*)15:40
 Levin, Natalia, (*Wed s03*)09:50, *s14-010*
 Lewandowska, Karolina, (*Mon s03*)16:00
 Lewis, Mavis, (*Thu s03*)09:50
 Li, Chengping, *s07-017, s07-017*
 Li, Chenzhong, (*Wed s02*)09:30, *s01-016*
 Li, Fei, (*Fri s19*)11:10
 Li, He, *s07-044*
 Li, Jian-Feng, (*Mon s16*)14:40,
 (*Wed s16*)09:30, *c-003, s15-001*
 Li, Jianlin, (*Tue s16*)14:00
 Li, Jingkun, (*Tue s16*)16:00
 Li, Ke-Jing, (*Mon s14*)10:30
 Li, Lang, (*Tue s16*)15:00
 Li, Li, (*Tue s07*)16:00
 Li, Peng, (*Thu s15*)17:00
 Li, Xia, (*Wed s02*)09:30
 Li, Xiaokun, (*Mon s16*)10:30, *s03-014*
 Li, Xiaolin, *s11-017*
 Li, Yabei, (*Fri s19*)11:10
 Li, Yajuan, *s07-007*
 Li, Yunhui, (*Tue s14*)10:30
 Lian, Jiaxin, (*Thu s19*)17:40
 Libuda, Jörg, (*Tue s09*)17:40
 Licandro, Emanuela, *s01-006, s05-015*
 Licence, Peter, (*Tue s10*)18:00
 Lima, Carlos, *s03-018*
 Lima Freitas da Silva, Viviane, *s11-014*
 Limson, Janice, (*Mon s03*)17:20,
 (*Tue s12*)10:10, (*Tue s01*)14:40,
 (*Tue s02*)15:00, *s02-004, s02-005,*
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 Lin, Jing, (*Thu s06*)14:00
 Lin, L., (*Wed s03*)09:30
 Lin, Wen-Feng, (*Tue s16*)14:40, *s14-009*
 Lin, Xiao, (*Tue s16*)14:40, *s14-009,*
s14-009
 Lin, Zong-Hong, (*Mon s02*)10:10
 Lindahl, Niklas, (*Tue s07*)17:40
 Lindberg, Simon, (*Mon s08*)14:00, *s08-001*
 Lindenberg, Titus, (*Mon s04*)15:40
 Linganis, Cebisa, *s04-025*
 Lingua, Gabriele, (*Tue s07*)10:30
 Link, Steffen, *s07-008*
 Lipali, Molopo, (*Tue s12*)10:10
 Lipkowski, Jacek, *s06-006*
 Lisdat, Fred, (*Thu s06*)17:20, *s06-008*
 Little, R. Daniel, (*Mon s14*)15:20
 Liu, Changpeng, *s01-004*
 Liu, Guang, *s14-014*
 Liu, Guozhen, (*Thu s13*)17:20, *s02-002*
 Liu, Minmin, (*Mon s16*)10:30
 Liu, Shasha, *s19-003*
 Liu, Shuai, (*Mon s16*)17:40
 Liu, Sizhe, (*Tue s12*)14:00
 Liu, Xiaoheng, *s04-007*
 Liu, Xiaoqing, (*Thu s21*)17:20
 Liu, Xu, *s14-006*
 Liu, You-Nian, *s07-007*
 Liu, Zhaoting, (*Fri s17*)10:30
 Liu, Zhongyuan, (*Tue s14*)10:30
 Loeffler, Tobias, (*Wed s03*)10:30,
 (*Fri s03*)09:50
 Logan, Kyle, (*Mon s14*)14:00
 Lohrmann, Tabea, *s07-041, s07-042*
 Lojou, Elisabeth, (*Thu s06*)15:00
 Lombardo, Teo, (*Mon s07*)10:30,
 (*Thu s15*)14:20, (*Thu s15*)16:00
 Long, Yi-Tao, (*Thu s19*)16:40,
 (*Fri s19*)11:50
 Longhi, Mariangela, (*Mon s01*)14:40,
 (*Mon s01*)15:40, *s01-006*
 López de Mishima, Beatriz, *s07-030*
 Lopez, Isidoro, (*Thu s13*)15:00
 Lou, Shuaifeng, (*Fri s21*)11:30, *s07-015*
 Loveridge, Melanie, (*Thu s16*)10:30,
 (*Thu s07*)17:40
 Lu, Yizhong, (*Mon s16*)10:30
 Lu, Yong, *s07-051*
 Lubitz, Wolfgang, (*Mon s03*)09:30,
 (*Mon s03*)16:00
 Lucenti, Elena, *s05-015*
 Ludvik, Jiri, (*Mon s14*)16:40, *s14-016*
 Ludwig, Alfred, (*Fri s03*)09:50
 Lundström, Mari, (*Thu s11*)14:40,
 (*Thu s17*)15:00, (*Thu s17*)17:00
 Luo, Hongxia, (*Mon s01*)10:30
 Luo, Yang, (*Mon s01*)10:30
 Luo, Zhaoyan, *s01-004*
 Luow, Clementine Juliat, *s01-017*
 Luque, Guillermina, *s07-022*
 Luque-Alled, Jose Miguel, (*Fri s03b*)09:50
 Lust, Enn, (*Mon s16*)18:20,
 (*Tue s08*)10:30, *s16-002, s18-006*
 Luz, Rita de Cassia, (*Mon s02*)17:40
 Lyimo, Germana V., *s01-005*

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Ma, Yalong, (*Fri s18*)10:10
 Ma, Yanhua, (*Wed s02*)09:30
 Ma, Yulin, (*Fri s21*)11:30, *s07-052*
 Ma, Zhongqiao, (*Fri s17*)09:50
 Maadar, Faduma, (*Thu s16*)10:30
 Maaza, Malik, (*Wed s04*)09:50, *s04-014,*
s07-003, s07-006, s07-012, s07-014,
s10-004, s12-008, s21-009
 Mabena, Letlhogonolo, *s08-005, s08-006*
 Mabuba, Nonhlangabezo, *s02-011*
 Macak, Jan M., (*Tue s04*)10:10, *s05-003*
 MacFarlane, Douglas R, (*Tue s07*)16:40
 Machado, Sergio, *s08-018*
 Macounová, Katrina, (*Mon s04*)18:20
 Maddar, Faduma, (*Thu s07*)17:40
 Madiba, Itani, *s07-009*
 Madito, Moshawe Jack, (*Mon s08*)14:20,
s08-017, s20-003, s20-005
 Mafa, Potlako John, *s04-008, s12-006*
 Magagnin, Luca, (*Tue s10*)17:40, *s18-005*
 Magaji, Suleiman, *s03-026*
 Magner, Edmond, (*Tue s03*)10:10
 Magni, Mirko, *s05-015*
 Magrina Lobato, Ivan, (*Fri s01*)10:10
 Mahmoud, Badr A., *s08-008, s20-003*
 Mahmoudi Alibeiglou, Behzad,
 (*Mon s04*)10:30
 Mai, Sebastian, *s07-023*
 Maier, Thomas L., *s04-011*
 Maijenburg, A. Wouter, (*Mon s04*)15:40

- Maillard, Frederic, (*Mon s03*)14:00,
(*Thu s03*)15:00, (*Tue s03*)16:40
Maitra, Urmimala, *s07-050*
Makelane, Hlamulo, (*Tue s12*)18:00
Makgopa, Katlego, (*Mon s08*)15:20,
(*Thu s03*)17:20, *s08-005*, *s08-006*
Makhlooghiazad, Faezeh, (*Mon s07*)14:40
Makhongoana, Annah, *s20-010*
Makimizu, Yoichi, *s17-008*
Makinde, Zainab, (*Thu s21*)16:40
Makombe, Martin, *s02-019*
Malavolta, Laura, (*Thu s07*)16:40
Malik, Maaza, *s07-009*
Malis, Jakub, *s03-032*
Mamba, Bhekie B., (*Tue s12*)14:40,
s04-008, *s12-006*
Mambanda, Allen, *s05-005*, *s05-006*
Manana, Buhle, (*Thu s18*)09:30
Mancuso, Nicola, (*Mon s08*)17:20
Mandai, Toshihiko, (*Tue s07*)17:40
Mandin, Philippe, (*Wed s15*)10:10
Mandler, Daniel, (*Mon s01*)14:00
Mangold, Klaus-Michael, *s18-007*
Manke, Ingo, (*Mon s05*)15:00,
(*Wed s15*)09:30, *s17-006*
Mano, Nicolas, (*Thu s21*)15:00
Manthiram, Arumugam, (*Mon s07*)14:00
Manyala, Ncholu, (*Mon s08*)14:20,
(*Mon s08*)17:20, *s04-018*, *s07-031*,
s07-032, *s07-059*, *s08-001*, *s08-002*,
s08-008, *s08-014*, *s08-017*, *s08-020*,
s17-002, *s20-003*, *s20-005*
Manzano, Cristina, (*Tue s10*)18:20
Mao, Bingwei, (*Mon s07*)17:20,
(*Mon s16*)17:40
Mao, Lanqun, (*Tue s02*)18:00
Marais, Deon, *s11-008*
Maran, Flavio, (*Mon s05*)10:10
Marchionni, Andrea, (*Mon s03*)14:40,
(*Tue s03*)17:00
Marchioro, Arianna, (*Mon s05*)16:40
Marcilla, Rebeca, (*Thu s15*)17:20
Marcus, Philippe, (*Thu s11*)16:40
Mardare, Andrei Ionut, (*Thu s11*)09:30
Mardare, Cezarina Cela, (*Thu s11*)09:30
Marius, Bernhard, (*Fri s03b*)10:30
Marken, Frank, (*Tue s14*)10:10, *s04-012*
Markevich, Elena, *s07-024*
Marras, Rossano, *s07-035*
Marshall, Aaron, (*Mon s05*)15:20,
(*Mon s04*)17:40, (*Tue s20*)18:20,
(*Fri s15*)09:50, (*Fri s18*)11:10
Martin, Jean-Frederic, (*Tue s07*)18:20
Martin Treceno, Samuel, (*Fri s18*)11:10
Martin, Vincent, (*Thu s03*)15:00
Martinez Bonastre, Alex, *s03-021*
Martinez, Francisco, *s02-028*
Martínez-Huitle, Carlos Albert,
(*Mon s12*)16:00, (*Tue s12*)16:40,
s01-014, *s12-017*
Martins, Vitor L., (*Tue s08*)09:30
Martucci, Alessandro, (*Tue s09*)14:40
Maruccia, Elisa, (*Tue s07*)10:30
Masa, Justus, (*Tue s10*)15:40,
(*Tue s20*)16:00, (*Wed s03*)10:30,
(*Fri s19*)11:30
Mascaro, Lucia, (*Mon s12*)10:10, *s04-010*,
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Masetla, Mokgadi Salome, *s17-001*
Mashazi, Philani, (*Tue s02*)10:10,
(*Tue s12*)15:00, (*Thu s21*)16:40,
(*Thu s13*)17:40, (*Fri s01*)11:30, *s04-002*
Mashindi, Victor, (*Fri s03*)10:10
Mashkour, Mahdi, *s03-038*
Mashkour, Mehrdad, (*Mon s08*)17:20,
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Masibi, Kgotla Katlego, (*Mon s05*)18:20
Masikhwa, Tshifhiwa, *s07-031*
Masina, Sikhumbuso, (*Thu s03*)17:40
Masuda, Takuya, (*Thu s03*)14:40,
(*Thu s03*)15:20
Matangouo Sonkoue, Baudelaire, *s05-009*
Matei, Elena, (*Tue s01*)18:20, *s10-003*,
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Mateyise, Nandisiwe, *s14-003*, *s14-004*
Mathe, Mkhulu K., *s07-038*
Mathebula, Nsovo Samuel, *s02-029*
Mathumba, Penny, (*Wed s04*)10:10
Matic, Aleksandar, (*Mon s08*)14:00,
s08-001
Matinise, Nolubabalo, *s07-009*, *s10-004*
Matoetoe, Mangaka, (*Tue s02*)16:00,
s02-021
Matsoso, Boitumelo, *s04-016*, *s20-010*
Matsuda, Masafumi, (*Thu s06*)15:40
Matsuda, Shofu, (*Thu s03b*)15:00,
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Matsuda, Yuki, (*Tue s07*)09:30
Matsui, Hiroyuki, *s02-020*
Matsunaga, Mariko, (*Fri s01*)10:30,
s01-023, *s04-009*, *s20-007*
Matsuyama, Tatsuo, (*Tue s07*)09:30
Matsuzawa, Koichi, (*Tue s03*)17:20
Mattarozzi, Luca, (*Tue s10*)14:40
Matthews, Thabo, *s03-027*
Mattioli, Isabela, *s01-010*
Maubane-Nkadimeng, Manoko, *s04-016*,
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Mavrantanakis, Andreas, (*Thu s15*)17:20
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Mayer, Jerome, *s05-007*
Mayne-L'Hermite, Martine,
(*Mon s08*)16:40
Mayrhofer, Karl, (*Mon s16*)15:20,
(*Tue s09*)17:40
Mazurenko, Ievgen, (*Thu s06*)15:00
McCarroll, Joshua, (*Mon s02*)10:30
McCloskey, Bryan D., (*Mon s03*)18:20
McCreery, Richard, (*Tue s20*)14:40
Mciteka, Lulama, *s02-009*
McNeill, Alexandra, (*Thu s13*)14:40
Mdluli, Siyabonga Beizel, (*Thu s04*)09:50
Mecerreyes, David, (*Tue s07*)16:40
Mechler, Anna K., (*Mon s03*)10:30,
(*Thu s21*)14:00, (*Thu s21*)17:00, *s03-006*
Medenbach, Lukas, (*Tue s07*)14:00,
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Medina, Marina, *s04-024*
Mehdi Debela, Ahmed, *s02-022*
Mehmood, Asad, *s03-021*
Meinderink, Dennis, (*Thu s13*)15:40
Meireles, Martine, (*Mon s05*)17:40
Meischein, Michael, (*Fri s03*)09:50
Meligrana, Giuseppina, (*Tue s07*)10:30
Méndez-Torres, Ana María, *s13-002*
Menéndez, Nieves, *s14-017*
Merdon, Christian, (*Fri s15*)10:30
Mestre, Quentin, (*Mon s08*)16:40
Meyer, Hajo, (*Fri s03*)09:50
Miceli Soletta, Fabio, *s11-013*
Michaelis, Alexander, (*Thu s07*)14:40
Michalak, Magdalena, (*Thu s19*)17:20
Michira, Immaculate, (*Mon s02*)14:40
Michler, Johann, (*Tue s10*)18:20
Mikawa, Tsutomu, *s02-014*
Milewski, Jaroslaw, *s03-011*
Miller Branco Ferraz, Franz, *s11-014*
Miller, Hamish Andrew, (*Mon s03*)14:40,
(*Tue s03*)17:00, *s03-031*
Minami, Tatsuki, (*Thu s06*)15:40
Mindemark, Jonas, *s07-020*
Minteer, Shelley D., (*Tue s03*)17:40,
(*Thu s06*)10:30
Mir, Monica, *s02-017*
Mirghni, Abdulmajid A., *s07-031*, *s08-008*,
s08-014, *s20-003*
Mirsky, Vladimir M., (*Thu s19*)15:00
Mitropolskya, Sofya, (*Fri s11*)10:30
Mitrović, Jelena, *s10-002*
Mitsumoto, Masaya, *s02-014*
Mitsushima, Shigenori, (*Tue s03*)17:20,
(*Thu s03b*)17:40
Mjwana, Phumlani, *s17-017*
Mkehlane, Moleko Samuel, *s04-015*
Mkhize, Zimbili, *s21-008*
Mlyuka, Nuru, *s04-018*
Mngcwengi, Normasoldier, *s02-021*
Modibedi, Malewane R., *s07-038*
Modise, Refiloe, *s03-028*
Moeller, Kevin, (*Mon s14*)10:10
Mofokeng, Thapelo, *s08-012*
Mohajernia, Shiva, (*Mon s04*)14:40,
(*Tue s04*)15:00, *s05-001*, *s17-009*
Mohamed, Rhiyaad, (*Thu s03*)09:30,
s03-004, *s03-005*, *s03-007*
Mohamed, Ziba, *s03-005*
Mohammadzadeh, Leila, (*Thu s15*)09:30
Mohd Adnan, Mohd Faidzul Hakim,
s12-012
Mohlala, Lesego Mmakgetjepe, *s15-005*
Mokhosi, Itumeleng, (*Wed s07*)10:10
Molina-Luna, Leopoldo, (*Tue s10*)15:20
Molodkina, Elena, *s10-009*
Moloto, Nosipho, (*Tue s04*)16:40,
(*Tue s04*)18:40, *s04-001*, *s04-025*
Momma, Toshiyuki, (*Tue s07*)18:00
Momodu, Damilola, (*Mon s08*)14:20,
(*Mon s08*)17:20, *s07-059*, *s08-002*,
s08-017, *s17-002*, *s20-003*
Mondal, Jyotirmoy, (*Thu s06*)18:20,
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Mongwaketsi, Nametso, *s07-009*, *s10-004*
Mongwe, Thomas, *s20-010*
Monnerie, Nathalie, (*Thu s03b*)15:40
Monroe, Charles, (*Thu s15*)10:30
Monteiro, Mayra K. S., *s01-014*
Montero, Maria, (*Tue s09*)17:40
Monterrubio, Iciar, (*Tue s07*)14:20
Monti, Damien, (*Tue s07*)17:40
Moon, Sungmo, (*Thu s11*)10:30
Morad, Razieh, (*Wed s04*)09:50
Moraes Silva, Saimon, (*Mon s01*)17:20
Morais, Claudia, (*Mon s14*)18:00
Morales, Dulce, (*Tue s20*)16:00
Moravec, Zdenek, (*Tue s01*)18:00

- Moreira, Rodrigo, (*Tue s05*)10:30
 Moremedi, Tshepiso, *s12-013*
 Moretti, Arianna, (*Mon s08*)14:40
 Morita, Akihiro, (*Mon s16*)16:00
 Morita, Hiroshi, *s03-030*
 Morrin, Aoife, (*Mon s01*)10:10
 Moser, David, *s07-045*
 Mosiane, Lebogang, *s04-016*
 Motola, Martin, (*Tue s04*)10:10
 Moulton, Simon E., (*Mon s01*)17:20
 Mounir, Ben Ali, (*Mon s02*)15:20
 Mousavi, Mir F., (*Mon s07*)18:20
 Mousset, Emmanuel, (*Mon s12*)14:00, *s12-012*
 Moydien, Hassan, *s03-012*
 Moyo, Belinda, *s08-002*
 Moyo, Mambo, (*Tue s02*)10:30
 Moyo, Thandazile, (*Fri s18*)09:50
 Mozneb, Seyedeh, (*Wed s02*)09:30
 Mpeti, Lekhetso, *s02-015*
 Mphahlele, Sharon, (*Tue s04*)16:40
 Mphuthi, Ntsoaki, *s02-003*
 Mpofo, Nobuhle, *s03-029*
 Mputhi, Ntsoaki, (*Mon s02*)15:00
 Muchindu, Munkombwe, (*Fri s20*)10:10
 Muddemann, Thorben, (*Mon s12*)17:00
 Muench, Falk, (*Tue s10*)15:20, *s10-005*
 Mugikura, Yoshihiro, *s03-030*
 Muhler, Martin, (*Fri s19*)11:30
 Mukerjee, Sanjeev, (*Tue s03*)17:00
 Mukhtar, Bello, *s03-026*
 Mukoyama, Daikichi, (*Thu s17*)09:30
 Mul, Guido, *s21-001*
 Mulaudzi-Masuku, Takalani, *s05-013*, *s10-004*
 Muñoz-Becerra, Karina, *s14-017*, *s14-018*
 Murase, Kuniaki, *s10-006*
 Murovhi, Phathutshedzo, *s07-010*
 Murulana, Lutendo Chester, (*Thu s11*)16:00, *s11-006*, *s11-012*
 Musa, Suhail, *s03-031*
 Musiani, Marco, (*Tue s10*)14:40
 Musiyarira, Harmony, (*Fri s11*)10:30
 Mussini, Patrizia Romana, (*Mon s01*)14:40, *s01-006*, *s05-014*, *s05-015*
 Musyoka, Nicholas, *s07-032*
 Muthukrishnan, Azhagumuthu, (*Mon s03*)15:40
 Mutuma, Bridget, (*Mon s08*)17:20, *s08-017*
 Muya Chabu, Johnny, *s07-007*
 Muya, Francis, *s02-030*
 Mvula, Eino, (*Fri s11*)10:30
 Mwanza, Daniel, (*Fri s01*)11:30
 Mwanza, Mulunda, *s05-002*
 Mwonga, Patrick, *s07-011*
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 Nachtegaal, Maarten, (*Tue s16*)16:00
 Nagai, Takayuki, (*Tue s03*)17:20
 Nagasawa, Kensaku, (*Thu s03b*)17:40
 Nagata, Morio, *s04-004*
 Nagata, Shinsuke, (*Mon s03*)15:40
 Nagel, Robin D., *s04-011*
 Nagura, Toshinari, (*Fri s17*)11:10
 Nahalka, Igor, (*Mon s05*)16:40
 Naidoo, Shunmugam, *s07-011*
 Najdanovic, Slobodan, *s10-002*, *s10-008*
- Nakale, Angela, (*Fri s11*)10:30
 Nakamura, Masashi, (*Thu s03*)14:00
 Nakamura, Nobuhumi, (*Thu s06*)15:40
 Nakamura, Yuta, *s07-013*
 Nakayama, Masanobu, *s07-054*
 Nanseu-Njiki, Charles Péguy, *s05-009*
 Napporn, Teko, (*Mon s14*)18:00
 Nara, Hiroki, (*Tue s07*)18:00
 Narangoda, Praveen V., (*Thu s21*)14:00, (*Thu s21*)17:00, *s03-006*
 Nashimoto, Yuji, (*Mon s01*)17:40, *s06-003*
 Nate, Zondi, *s02-007*, *s02-008*
 Natsui, Keisuke, (*Tue s16*)18:20
 Navarro, Vicente, (*Tue s12*)17:00
 Naylor, Andrew, (*Mon s07*)09:30
 Nazmutdinov, Renat, (*Wed s16*)10:30
 Ndala, Zakhele, *s04-025*
 Ndiaye, Ndeye Maty, *s08-017*, *s17-002*
 Ndlangamandla, Simphiwe, *s17-012*
 Ndungu, Patrick, *s03-027*
 Nebel, Roman, (*Mon s04*)18:20
 Neduvhuledza, Zelda, (*Mon s12*)17:20
 Nesane, Tshimangadzo, *s11-012*
 Netto, Chaquip, *s14-015*
 Neugebauer, Sebastian, (*Thu s21*)14:00, (*Thu s21*)17:00
 Neyrizi, Sobhan, *s21-001*
 Ng, Siowwoon, (*Tue s04*)10:10
 Ngake, Tankiso, (*Mon s14*)17:40, *s14-005*
 Ngameni, Emmanuel, *s05-009*
 Ngandjong, Alain Cabrel, (*Mon s07*)10:30, (*Thu s15*)14:20, (*Thu s15*)16:00
 Ngema, Nokwanda, *s21-013*
 Ngema, Xolani, (*Tue s02*)14:20, *s02-016*, *s02-016*
 Ngillirabanga, Jean, *s12-008*
 Ngoepe, Phuti, (*Thu s15*)15:40
 Ngom, Balla Diop, *s08-017*, *s17-002*
 Ngubeni, Grace, (*Tue s04*)18:40
 Nguyen, Giao Tran Minh, *s08-004*
 Nguyen, Nam-Trung, (*Tue s02*)15:20, *s02-023*
 Nguyen, Nhat Truong, *s17-008*
 Ngwekazi, Andisiwe, *s02-009*
 Ngwenya, Vuyelwa, *s05-005*, *s05-006*, *s05-006*
 Ni, Lingmei, (*Tue s16*)16:00
 Niamlaem, Malinee, (*Tue s20*)17:40
 Niehoff, Philip, *s07-018*
 Nieken, Ulrich, (*Wed s15*)09:30
 Niitsuma, Yuuki, *s17-003*
 Nilsson, Viktor, (*Tue s07*)17:20
 Nishi, Naoya, (*Wed s16*)10:10
 Niu, Dongfang, (*Fri s17*)09:50
 Niwa, Keita, (*Mon s16*)17:20
 Nizamov, Shavkat, (*Thu s19*)15:00
 Njoku, Chima Benjamin, (*Mon s05*)17:20
 Nkabinde, Siyabonga, *s04-026*
 Nkabiti, Litheko Legapa, *s04-013*
 Nkaki, Thabo, (*Tue s12*)15:00
 Nkele, Agnes, *s07-014*
 Nkhahle, Reitumetse, *s01-011*
 Nkosi, Funeka, *s07-020*, *s08-009*
 Nkosi, Mlungisi, *s21-009*
 Nkuna, Anitah, *s11-006*
 Nkwocha, Stephen, *s17-004*
 Noda, Ayumi, (*Tue s07*)09:30
 Noël, Jean-Marc, (*Thu s19*)15:20
 Noell, Gilbert, (*Thu s06*)14:40
- Noell, Tanja, (*Thu s06*)14:40
 Nogala, Wojciech, (*Thu s19*)17:20
 Nogueira, Francisco G. E., *s12-001*
 Nohira, Toshiyuki, (*Wed s18*)09:30
 Nombona, Nolwazi, *s17-007*, *s21-002*
 Norikawa, Yutaro, (*Wed s18*)09:30
 Nowaczyk, Marc M., (*Thu s06*)17:40
 Nqunqa, Sphamandla, *s05-013*
 Ntsendwana, Bulelwa, *s04-008*, *s12-006*
 Ntshongontshi, Nomaphelo, *s02-017*
 Numan, Nagla, *s21-009*
 Nunes, Carlos Angelo, *s11-014*
 Nuru, Zebib, *s07-009*
 Nwagboso, Esther,
 Nwankwo, Madeleine, *s07-012*
 Nwanya, Assumpta, (*Mon s08*)15:00, *s04-014*, *s07-012*, *s07-014*
 Nyokong, Tebello, (*Tue p1*)08:15, (*Mon s02*)16:00, *s01-011*, *s02-015*, *s04-002*
 Nzimande, Nkosikhona, *s07-037*, *s08-011*
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 O'Mullane, Anthony, *s09-001*
 O'Sullivan, Ciara, (*Fri s01*)10:10, (*Fri s01*)11:10, *s02-022*
 Oba, Fumiyasu, *s07-054*
 Obadele, Babatunde, *s11-008*
 Obana, Thiago, (*Tue s08*)09:30
 Obata, Oluwatosin, (*Tue s12*)09:50
 Oberhauser, Werner, (*Mon s03*)14:40
 Oboirien, Bilainu, *s05-010*
 Ochai-Ejeh, Faith, (*Mon s08*)14:20
 Ochiai, Tsuyoshi, (*Fri s17*)11:10
 Oehl, Denis, (*Mon s05*)15:00
 Ogada, Jimodo J., *s03-031*
 Ogunlaja, Adeniyi, *s05-011*
 Ogunlesi, Modupe, (*Thu s06*)16:00
 Ogunmolasuyi, Adewoyin, *s02-004*
 Oguzie, Emeka, (*Mon s12*)15:40
 Oguzie, Kanayo, (*Mon s12*)15:40
 Ohashi, Keishi, (*Thu s17*)09:30
 Ohno, Hiroyuki, (*Thu s06*)15:40
 Ojo, Dupe, *s02-005*
 Okabe, Toru H., (*Wed s18*)10:10, *s18-001*
 Okamoto, Norihiko L., *s07-054*
 Okano, Hiroshi, *s07-013*
 Okiei, Wesley, (*Thu s06*)16:00
 Okpara, Enyioma, (*Mon s12*)10:30
 Okumu, Fredrick, *s02-021*
 Olaniyan, Okikiola, *s08-008*
 Olasunkanmi, Lukman, *s11-007*
 Olean-Oliveira, Andre, *s01-025*
 Oleinick, Alexander, (*Thu s06*)15:20
 Oliva, Fabiana, *s07-022*
 Oliveira, Kaíque, *s12-014*
 Oliveira-Brett, Ana Maria, (*Tue m1*)14:00
 Oll, Ove, (*Tue s08*)10:30, *s16-002*
 Oloye, Olawale, *s09-001*
 Olubambi, Peter Apata, *s11-008*, *s15-005*, *s17-001*, *s17-017*
 Omar, Nurul, (*Tue s10*)15:00
 Oñate, Ruben, (*Tue s16*)18:00
 Onea, Melania Loredana, *s10-003*, *s10-007*
 Ono, Sachiko, (*Thu s11*)10:10
 Opallo, Marcin, (*Mon s01*)15:00, (*Tue s01*)17:20, (*Thu s19*)17:20, *s01-002*
 Orazem, Mark, (*Thu s11*)17:00
 Orimolade, Benjamin, *s05-010*, *s12-007*
 Orsini, Francesco, (*Mon s01*)14:40

Ortiz, Mayreli, (*Fri s01*)10:10,
(*Fri s01*)11:10, s02-022
Orts, José Manuel, (*Tue s16*)15:20
Osaka, Tetsuya, (*Tue s07*)18:00,
(*Thu s17*)09:30
Osawa, Masatoshi, (*Thu s03b*)15:00
Osen, Karen Sendé, (*Fri s18*)09:30
Oshchepkov, Alexandr G., (*Tue s03*)15:40
Osuji, Rose, s04-014, s07-012, s07-014
Oswald, Stefan, (*Thu s07*)15:40
Ota, Kenichiro, (*Tue s03*)17:20
Otero, Manuel, s07-022, s07-030
Otokpa, Daniel, s07-014
Otseme, Otokpa, s08-010
Ouchi, Takanari, (*Wed s18*)10:10, s18-001
Ouchi, Yukio, s05-016
Oughli, Alaa A., (*Mon s03*)09:30,
(*Mon s03*)16:00
Ounnunkad, Kontad, (*Mon s02*)18:00
Oviedo, Oscar, s07-030, s15-006
Owen, John, (*Tue s16*)10:10, s07-044
Oyama, Munetaka, (*Mon s05*)14:40
Oyedotun, Kabir, (*Mon s08*)14:20,
s04-018, s07-031, s08-002, s08-008,
s08-014, s20-003
Ozer, Eden, (*Wed s06*)10:10
Ozoemena, Kenneth, (*Mon s08*)10:10,
(*Mon s07*)18:00, (*Mon s05*)18:00,
(*Wed s07*)10:10, (*Thu s03*)17:20,
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Pacoste, Laura, (*Mon s02*)16:40
Paez, Teresa, (*Tue s07*)15:40
Pagliaro, Maria Vincenza, (*Mon s03*)14:40,
(*Tue s03*)17:00
Paidar, Martin, (*Thu s03*)17:00, s03-032
Paiste, Päärn, s18-006
Pal, Uday, (*Wed s18*)10:30
Palacin, Rosa, (*Tue s07*)17:40
Palaniselvam, Thangavelu, (*Tue s07*)14:00
Palaniyandy, Nithyadharseni, s07-032,
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Palma, Jesús, (*Tue s07*)15:40
Pameté Yambou, Emmanuel,
(*Tue s08*)10:10, s08-003
Pan, Chun-Jern, (*Tue s10*)16:00
Pané Vidal, Salvador, (*Tue s10*)17:20
Panić, Vladimir, s08-007
Pankov, Vladimir, s03-010
Pant, Lalit, (*Wed s03b*)10:10
Panzeri, Gabriele, (*Tue s10*)17:40
Paolasini, Elena, (*Thu s07*)16:40
Pargoletti, Eleonora, (*Mon s01*)15:40
Park, Byung Gi, s21-012
Park, Hyunwoong, (*Mon s04*)09:30,
(*Tue s12*)17:20, s15-002
Park, Inhee, (*Thu s16*)09:30
Passerini, Stefano, (*Mon s08*)14:40,
(*Tue s20*)14:00, s04-021
Patel, Anisha, (*Thu s16*)10:30
Patel, Manu U. M., (*Tue s03*)15:00
Paulisch, Melanie, (*Mon s05*)15:00,
(*Wed s15*)09:30, s17-006
Pavlenko, Vladimir, (*Mon s08*)17:40,
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Paz, Alexis, s07-030

Pebere, Nadine, (*Thu s11*)15:00
Peleyeju, Gbenga, s01-007
Peng, Chao, s20-004
Peng, Qiling, (*Mon s16*)16:00
Penga, Zeljko, (*Fri s03b*)10:30
Penner, Simon, (*Thu s03b*)14:20
Peralta, David, (*Tue s07*)18:20
Pereira, Carlos, (*Mon s02*)17:20, s08-013
Pereira, Ernesto, s04-023
Pereira, Ines A. C., (*Thu s06*)17:40
Pereira, Nuno, s08-013
Pérez-Junquera, Alejandro, s05-017
Perez-Page, Maria, (*Fri s03b*)09:50
Persson, Dan, (*Fri s11*)10:10
Peteni, Siwaphiwe, s06-002
Petersen, Jochen, (*Thu s18*)09:30,
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Petrovic, Milica, s10-002, s10-008
Pfeifer, Kristina, s07-039
Pfisterer, Jonas H. K., s19-006
Philippe, Laetitia, (*Tue s10*)18:20
Philippi, Frederik, (*Wed s07*)10:30
Phori, Abigail, s08-014
Phuakkong, Oranit, (*Tue s20*)17:40
Piana, Giulia, (*Tue s07*)10:30
Piao, Guangxia, (*Mon s04*)09:30
Picart, Sebastien, s01-008
Pichereau, Laure, (*Thu s13*)15:00
Pichler, Birgit, (*Mon s07*)10:10
Picken, S.J., (*Thu s03*)15:40
Pikma, Piret, (*Mon s16*)18:20
Piña, Samuel, s01-012
Pinault, Mathieu, (*Mon s08*)16:40
Pinkas, Jiri, s14-016
Pino, Eduardo, s21-003
Pinson, Jean, (*Thu s13*)16:40
Pinto, Oscar, s07-030
Pires, Cléo, (*Tue s03*)14:00
Pitna Laskova, Barbora, (*Thu s07*)16:00
Pizarro, Ana, (*Tue s16*)18:00
Pizarro, Gonzalo, s11-003
Pizl, Martin, (*Mon s14*)16:00
Plaxco, Kevin, (*Mon s02*)09:30,
(*Mon s02*)14:00
Pletincx, Sven, s11-017
Plumeré, Nicolas, (*Mon s03*)09:30,
(*Mon s03*)16:00
Póhroľniczak, Paulina, s07-047
Podvorica, Fetah, (*Thu s13*)16:40
Pognon, Gregory, s08-004
Poli, Federico, (*Mon s08*)17:20, s08-020
Pollet, Bruno, (*Tue s09*)16:40
Polroľniczak, Paulina, s07-053, s07-056
Póltorak, Lukasz, (*Tue s01*)10:30
Ponce, Ingrid, (*Tue s16*)18:00, s21-003
Ponrouch, Alexandre, (*Tue s07*)17:40
Pons, Marie-Noëlle, s12-012
Potgieter, Johannes Hermanus,
(*Mon s14*)17:40, s14-005
Powell, Adam, (*Wed s18*)10:30
Pozo-Ayuso, Diego F., (*Mon s01*)15:20
Prasittichai, Chaiya, s02-018
Presser, Volker, (*Mon s07*)15:40
Prieto, Francisco, (*Tue s16*)10:30, s06-006
Prikryl, Jan, (*Tue s04*)10:10, s05-003
Primbs, Mathias, s03-021
Primo, Emiliano, (*Mon s07*)10:30,
(*Thu s15*)14:20, (*Thu s15*)16:00
Pritzl, Daniel, (*Thu s07*)15:40

Prochazka, Jan, (*Thu s07*)16:00
Prokop, Martin, (*Tue s03*)17:00, s03-032
Prosini, Pier Paolo, s07-035
Przygocki, Patryk, (*Mon s08*)17:40
Puzikova, Darya, s04-020

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Qi, Chengzi, s05-016
Qi, Qi, s05-016
Qi, Yanling, (*Thu s21*)17:20
Qi, Yi-Jun, s14-009
Qian, Zhengyi, s07-015
Qiu, Xingyuan, s05-016
Quadri, Taiwo, s11-007
Quaino, Paola, (*Wed s16*)10:30,
(*Thu s15*)09:30
Quandt, Alex, (*Tue s04*)18:40, s07-011
Quast, Thomas, (*Fri s19*)11:30
Quigley, Anita F., (*Mon s01*)17:20
Quinson, Jonathan, (*Tue s09*)15:20
Quiroz, Marco A., (*Mon s12*)16:00
Quispe Aviles, Janeth Marlene,
(*Fri s11*)09:30

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Rękorajska, Aleksandra, (*Tue s05*)09:50
Raccichini, Rinaldo, s07-044
Radmilovic, Velimir, (*Mon s05*)16:00
Radmilovic, Vuk, (*Mon s05*)16:00
Radović Vučić, Miljana, s10-008
Raeissi, Keyvan, s11-013
Rahimnejad, Mostafa, (*Mon s08*)17:20,
s03-038
Rajan, Ziba, (*Thu s03*)09:30, s03-007
Ram, Rahul, (*Thu s18*)09:30
Ramafoko, Lebogang, s05-002
Rambau, Khavharendwe, s07-032
Ramirez, Andres M., s02-025
Ramoroka, Morongwa Emmanuel,
(*Thu s04*)09:50, s04-017
Rampai, Tokoloho, (*Fri s15*)11:30,
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Rancan, Marzio, (*Tue s10*)14:40
Randolph, Steven, s15-003
Rangel-Cárdenas, Angie L.,
(*Thu s03*)15:40
Ranku, Mogomotsi, s21-014
Rantho, Mologadi Nkiyasi, s20-005
Ratsoma, Mpho, (*Mon s08*)15:20, s08-005,
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Rauber, Daniel, (*Wed s07*)10:30, s21-006
Rauen, Anna, s17-015
Ravaine, Valérie, (*Tue s20*)17:40
Ray, Sekhar, s08-011
Rayée, Quentin, (*Thu s18*)09:30
Reale, Erik, (*Tue s12*)14:00
Reato, Mattia, (*Mon s05*)10:10
Rebelo, Tânia, (*Mon s02*)17:20
Recio, F. Javier, (*Wed s03*)10:10, s01-019,
s14-017, s14-018
Reeves, Roger, (*Thu s13*)14:40
Rego, Rosa, (*Tue s02*)14:40, s03-033
Reid, Gillian, (*Thu s17*)14:00
Reinsberg, Philip Heinrich,
(*Tue s16*)17:40, (*Thu s16*)09:30,
s07-041, s07-042
Rejec, Tomaz, (*Thu s15*)10:10
Ren, Bin, (*Thu s19*)14:00
Ren, Jianwei, s07-032
Renshaw, Derek, s17-013

- Reynaud, Marine, (*Tue s07*)14:20
 Rezqita, Arlavinda, (*Mon s07*)16:00
 Ribeiro da Silva, Djalma, (*Mon s12*)16:00
 Ribeiro, José, (*Mon s02*)17:20
 Riedel, Marc, (*Thu s06*)17:20
 Rikarte, Jokin, (*Tue s07*)14:20
 Rizzo, Simona, *s01-006*
 Roberts, Edwards, (*Fri s03b*)09:50
 Robles, Felipe, *s21-003*
 Rocha-Filho, Romeu C., (*Mon s12*)14:40
 Rodes, Antonio, (*Tue s16*)15:20
 Rodrigo, Manuel, (*Tue s12*)17:00
 Rodriguez-Macia, Patricia, (*Mon s03*)09:30
 Röder, Fridolin, (*Thu s15*)15:00, (*Fri s15*)09:30
 Rögner, Matthias, (*Thu s06*)17:40
 Röhe, Maximilian, (*Fri s17*)11:30
 Roelands, Mark, (*Thu s17*)17:20
 Rogier, Clemence, *s08-004*
 Roguska, Agata, (*Thu s19*)17:20
 Rojas, María, *s07-022*
 Rojo, Teofilo, (*Tue s07*)14:20
 Roke, Sylvie, (*Mon s05*)16:40
 Rola-Noworyta, Anna, (*Tue s01*)17:20
 Rosén, Johanna, (*Fri s21*)09:30
 Rosser, Timothy, (*Tue s16*)10:50
 Rossi, Liane M., *s07-026*
 Rossi, Stefano, (*Wed s11*)10:30
 Rossmelisl, Jan, (*Tue s03*)09:30, (*Thu s03b*)10:30
 Roth, Christina, (*Wed s15*)09:30, (*Thu s21*)17:40, *s03-016*, *s10-001*
 Roudil, Daniele, *s01-008*
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 Roy, Aaron, *s03-021*
 Rubinstein, Israel, (*Tue s10*)15:20
 Rucci, Alexis, (*Mon s07*)10:30
 Rudnev, Alexander, *s10-009*
 Rudnicki, Konrad, (*Tue s01*)10:30
 Rueda, Manuela, (*Tue s16*)10:30, *s06-006*
 Rüdiger, Olaf, (*Mon s03*)09:30, (*Mon s03*)16:00, (*Wed s03*)09:50, *s14-010*
 Ruess, Raffael, (*Mon s04*)18:00
 Ruff, Adrian, (*Mon s03*)09:30, (*Thu s06*)17:40
 Ruiz, Domingo, *s21-003*
 Ruotolo, Luis A. M., *s12-001*, *s12-014*
 Russell, Andrea, (*Tue s16*)17:20, (*Fri m1*)09:30, *s03-029*
 Russner, Niklas, (*Fri s15*)10:10
 Rutkowska, Iwona A., (*Mon s04*)10:10, (*Tue s09*)15:00
 Ryan, Mary, (*Thu s11*)17:20
 Ryder, Karl, (*Mon s16*)16:40
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 Sabela, Myalowenkosi, *s01-021*, *s02-013*, *s02-027*
 Sackey, Juliet, *s12-008*
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 Saeedikhani, Mohsen, *s11-011*
 Saez, Cristina, (*Tue s12*)17:00
 Safonova, Olga V., (*Tue s16*)16:00
 Sahin, Fatih, (*Thu s13*)15:40
 Sakaabe, Hikari, (*Tue s07*)18:00
 Salazar, Ricardo, (*Mon s12*)15:20, (*Tue s12*)17:00, *s01-012*, *s01-019*, *s12-015*
 Salitra, Gregory, *s07-024*
 Salomé, Sónia, *s03-033*
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 Samu, Angelika, (*Thu s03b*)10:10
 San-Miguel, Miguel, *s03-018*
 Sánchez-Sánchez, Carlos M., *s14-018*
 Sandal, Nidhi, *s01-009*
 Sandrini, Regiani, *s17-010*
 Sango, Mamadou, (*Wed s15*)09:50
 Sannicolò, Francesco, *s01-006*
 Sans, Victor, (*Tue s10*)18:00
 Santamaria, Monica, (*Thu s11*)09:50, *s11-013*
 Santana, Antônio Euzébio, (*Mon s02*)17:40
 Santato, Clara, (*Mon s08*)17:00, (*Tue s04*)18:00
 Santiago, Patricia, (*Fri s17*)09:30
 Santoro, Carlo, (*Tue s12*)09:30, *s03-038*, *s08-020*
 Santos, Elizabeth, (*Wed s16*)10:30, (*Thu s15*)09:30, *s15-006*, *s15-007*
 Santos, Hugo, (*Mon s12*)10:10
 Santos, José Eudes, (*Mon s12*)16:00
 Santos, Mauro, *s08-018*
 Sanz, Caroline G., *s01-001*
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 Sardinha, Eduardo S., (*Fri s21*)10:10
 Sasaki, Tatsuro, (*Tue s07*)18:00
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 Savan, Alan, (*Fri s03*)09:50
 Saveleva, Viktoriia A., (*Tue s16*)16:00
 Savinova, Elena R., (*Tue s03*)15:40
 Savoie, Maxime, (*Mon s04*)17:40
 Sayed, Shakeela, *s03-007*
 Sayle, Dean, (*Thu s15*)15:40
 Scalia, Alberto, *s04-021*
 Scarabino, Sabina, (*Mon s04*)18:00
 Schaefer, Sandra, *s10-005*
 Schalck, Jonathan, (*Fri s17*)10:10
 Schappacher, Falko, *s07-018*
 Scheiba, Frieder, *s20-001*
 Scherer, Guenther G., (*Tue s09*)15:40
 Scherson, Daniel, (*Tue s10*)16:40
 Scheu, Christina, (*Fri s03*)09:50
 Schiller, Guenter, (*Thu s03b*)15:40
 Schindler, Werner, *s04-011*
 Schlettwein, Derck, (*Mon s04*)18:00
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 Schmickler, Wolfgang, (*Thu s15*)09:30, *s15-007*
 Schmidt, Adrian, (*Thu s07*)10:10, (*Thu s15*)14:40
 Schmidt, Thomas J., (*Tue s16*)16:00
 Schmuki, Patrik, (*Mon s04*)14:40, (*Tue s04*)15:00, *s05-001*, *s17-008*, *s17-009*
 Schroeder, Daniel, *s07-050*
 Schubert, S., *s04-006*
 Schürch, Patrik, (*Tue s10*)18:20
 Schuett, Fabian M., (*Thu s21*)15:40, (*Fri s21*)09:30, *s05-007*
 Schuhmann, Wolfgang, (*Mon s03*)09:30, (*Mon s05*)15:00, (*Mon s03*)16:00, (*Wed s15*)09:30, (*Wed s03*)10:30, (*Thu p1*)08:15, (*Thu s06*)17:40, (*Fri s03*)09:30, (*Fri s03*)09:50, (*Fri s19*)11:30, (*Fri s17*)11:30
 Schuster, Jürgen, *s18-007*
 Schutajew, Konstantin, *s03-016*
 Schuurman, Joel, (*Thu s13*)14:40
 Schweinar, Kevin, (*Mon s16*)15:20
 Scohy, Marion, (*Thu s03*)15:00
 Scuracchio, Carlos, (*Thu s21*)14:40
 Seboletswe, Pule, *s21-008*
 Seijas, Carlos, *s12-010*
 Sekhosana, Kutloano, *s01-011*
 Seki, Shiro, (*Thu s07*)17:20, *s07-001*, *s07-002*, *s07-046*
 Selve, Sören, (*Tue s03*)15:00
 Sempionatto, Juliane R., *s17-010*
 Senoh, Hiroshi, (*Tue s07*)18:00
 Senthilkumar, Baskar, (*Tue s07*)15:00
 Seo, Min Ho, *s03-024*, *s03-035*
 Seraphim, Patricia, *s01-025*
 Serdechnova, Maria, (*Wed s11*)09:30
 Serena, Teo, (*Thu s11*)15:40
 Seri, Jacopo, *s08-020*
 Serrano, Silvia H. P., *s01-001*
 Servat, Karine, (*Mon s14*)18:00
 Seta, Ewelina, (*Mon s04*)10:10
 Seumo Tchekwagep, Patrick Marcel, *s05-008*, *s05-009*
 Seyeux, Antoine, (*Thu s11*)16:40
 Shabalala, Sebenzile, *s08-015*
 Shaik, Kathija, *s18-004*
 Shakibi-Nia, Niusha, (*Tue s09*)14:40, (*Thu s03b*)14:20
 Shaku, Bokome, *s08-016*
 Shanmugam, Sangaraju, (*Thu s03b*)16:40
 Sharma, Lalit, *s07-036*
 Sharma, Shailendra, (*Mon s05*)15:20
 Sharman, Jonathan, *s03-021*
 Shatla, Ahmed S., (*Thu s16*)09:30
 Shavokshina, Vera, *s01-010*
 Shaw, Wendy J., (*Mon s03*)09:30, (*Mon s03*)16:00
 Shazad, Khurram, (*Thu s11*)09:30
 Shen, Pei Kang, *s03-008*
 Shen, Yanbin, (*Tue s16*)09:30
 Sheng, Tian, (*Tue s16*)14:40, *s14-009*
 Shengfu, Tong, (*Thu s03*)15:20
 Shi, Kang, (*Thu s04*)10:30
 Shi, Wen-Ke, *s07-055*
 Shibiri, Beauty, (*Thu s15*)15:40
 Shiddiky, Muhammad J.A., (*Tue s02*)15:20, *s02-023*
 Shikano, Masahiro, (*Tue s07*)18:00
 Shiku, Hitoshi, (*Mon s01*)17:40, *s06-003*
 Shimokawa, Kohei, *s07-054*
 Shin, Dongyoon, (*Mon s03*)10:30
 Shin, Jae Ho, (*Tue s02*)17:20
 Shin, Woonsup, (*Tue s02*)17:40, *s12-003*
 Shinohara, Sonoko, (*Fri s01*)10:30, *s01-023*
 Shitanda, Isao, (*Wed s06*)10:30, *s02-014*, *s02-020*, *s06-001*
 Shkrob, Ilya, (*Mon s07*)15:00
 Shleev, Sergey,
 Shoba, Siyabonga, *s05-011*
 Shodiyev, Abbos, (*Mon s07*)10:30
 Shojaei, Maryam, (*Fri s15*)09:50
 Shrivastava, Aniruddh, (*Tue s12*)14:00
 Shu, Jiangnan, (*Mon s02*)15:40
 Sibert, Eric, (*Thu s03*)15:00

- Sicklinger, Johannes, (*Thu s07*)15:20
 Sidhureddy, Boopathi, s20-002
 Sidwaba, Unathi, (*Mon s02*)16:40, (*Tue s12*)14:40
 Siepenkoetter, Till, (*Tue s03*)10:10
 Sietsma, Jilt, s11-017
 Sievers, Michael, (*Mon s12*)17:00
 Sievi, Gabriel, (*Tue s09*)17:40
 Siimenson, Carolin, (*Mon s16*)18:20, s18-006
 Siinor, Liis, (*Mon s16*)18:20, s18-006
 Sikhvivilu, Lucky, (*Fri s20*)10:10
 Silva, A. F., (*Mon s02*)17:20, s08-013
 Silva, J. Francisco, (*Tue s16*)18:00
 Silva, Julio, s14-015
 Silva, Karyn N.O., s12-017
 Silva, Thaissa, s14-015
 Silveira Parreira, Luanna, s03-015
 Silvester, Debbie, (*Tue s01*)15:40
 Silwana, Bongwiwe, s02-010, s02-019
 Simic, Nina, (*Thu s17*)10:30
 Simkova, Ludmila, (*Mon s14*)16:40, s14-016
 Simo, Aline, s21-009
 Simon, Patrice, (*Mon s08*)09:30, (*Mon s16*)14:00
 Simonis, Povilas, (*Fri s21*)09:50
 Simonova, Anna, (*Fri s01*)10:10
 Singh, Sima, s02-007
 Sipu, Karolina, (*Tue s20*)16:40, s20-006
 Sirunda, John, (*Fri s11*)10:30
 Sivanantham, Arumugam, (*Thu s03b*)16:40
 Sk, M. Hassan, (*Thu s11*)17:20
 Skoda, David, s07-048
 Skrzypek, Stawomira, (*Tue s01*)10:30, (*Tue s20*)16:40, s20-006
 Smith, Diane, (*Mon s14*)14:00
 Smith, Galad, (*Mon s03*)17:20
 Smith, Kyle, (*Tue s12*)14:00
 Smith, Scott, (*Tue s20*)14:40
 Smolentsev, Grigory, (*Tue s16*)16:00
 Snihirova, Darya, (*Tue s07*)14:40, (*Wed s11*)09:30
 Soavi, Francesca, (*Mon s08*)17:20, (*Tue s12*)09:30, s03-038, s08-020
 Soda, Narshone, (*Tue s02*)15:20, s02-023
 Soffiati, Gabriela, s03-018
 Solarska, Renata Anna, (*Tue s04*)14:00
 Solchenbach, Sophie, (*Thu s07*)15:20
 Solla-Gullón, José, (*Tue s03*)14:00
 Solomonov, Aleksei, (*Tue s10*)15:20
 Soma, Fousséni, (*Thu s18*)09:30
 Somerset, Vernon, s02-010, s02-019
 Song, Yuefeng, (*Thu s03b*)14:40
 Sopha, Hanna, (*Tue s04*)10:10, s05-003
 Sorte, Eric G., (*Mon s16*)15:00
 Sotomayor-Santander, Iliana, s20-009
 Souza, Matheus, (*Tue s03*)14:00
 Souza-Garcia, Janaina, (*Fri s17*)09:30, (*Fri s21*)10:10, s17-010
 Spanos, Ioannis, s03-006
 Speck, Florian, (*Tue s03*)15:20
 Spikes, Geoffrey, s03-021
 Spina, Giovanni Emanuele, (*Mon s08*)17:20
 Stamatini, Serban N., (*Tue s04*)15:20
 Stefanelli, Jacopo, (*Mon s05*)10:10
 Steiner, Sandra, s07-045
 Steinmann, Stephan, (*Thu s15*)16:40
 Stevanovic, Sanja, (*Mon s05*)16:00
 Stirké, Arūnas, (*Fri s21*)09:50
 Stoddart, Sir Fraser, (*Mon p1*)08:15, (*Tue m1*)09:30
 Strasser, Peter, s03-021
 Stühmeier, Björn M., (*Tue s03*)15:00
 Stumm, Corinna, (*Tue s09*)17:40
 Støre, Anne, (*Fri s18*)09:30
 Su, Bin, (*Thu s19*)16:00
 Su, Haisheng, (*Thu s19*)14:00
 Su, Jiangling, s13-001
 Su, Wei-Nien, (*Tue s10*)16:00
 Su, Yan, s02-024
 Su, Zhangfei, s06-006
 Suarez Ramanzin, Belén, s07-022
 Subramani, Ramesh, (*Thu s07*)10:30
 Sudhölter, Ernst R.J., (*Tue s01*)10:30
 Suffredini, Hugo B, (*Fri s21*)10:10
 Sun, Baoyu, s07-015
 Sun, Hui, s07-055
 Sun, Jian-Jun, (*Mon s01*)16:00
 Sun, Jianrui, (*Tue s14*)10:30
 Sun, Shi-Gang, (*Tue s16*)14:40, (*Tue s09*)18:00, (*Thu s03*)16:00, s14-009
 Sun, Zhen, (*Fri s21*)11:30, s07-019
 Sundmachera, Kai, (*Thu s17*)10:10
 Supur, Mustafa, (*Tue s20*)14:40
 Suzuki, Naamo, (*Thu s07*)17:20
 Svensson, Gunnar, s03-010
 Svir, Irina, (*Thu s06*)15:20
 Svoboda, Jan, s14-016
 Sylla, Ndeye Fatou, s08-008, s08-017, s17-002
 Symillidis, Alex, (*Tue s16*)14:40
 Syrova, Lucie, (*Thu s07*)18:00
 Syrový, Tomas, (*Thu s07*)18:00
 Syu, Mei-Jywan, s01-013, s01-024
 Szabo, Patric, (*Thu s03b*)15:40
 Szaniawska, Ewelina, (*Mon s04*)10:10
- T**
 Taboada-Sotomayor, Maria del Pilar, (*Mon s02*)17:40
 Tadie, Margreth, (*Thu s18*)09:50
 Taira, Noriko, s06-003
 Takaba, Hiromitsu, s07-002
 Takahashi, Keitaro, s07-001, s07-002, s07-046
 Takahashi, Nanami, s02-020
 Takakusagi, Satoru, (*Thu s03*)14:40
 Takeda, Akiyoshi, s07-013
 Takeda, Kouta, (*Thu s06*)15:40
 Takekuma, Yuya, s04-004
 Tameev, Aleksey, s04-019
 Tamiya, Eiichi, (*Mon s01*)09:30
 Tan, Chaou, (*Thu s07*)17:40
 Tanaka, Shiro, (*Fri s03b*)09:30, s03-019
 Tanaka, Takara, s18-001
 Tang, Jhih-Yu, s03-011
 Tang, Peng, (*Mon s16*)17:20
 Tang, Shuai, (*Mon s07*)17:20
 Tarascon, Jean-Marie, (*Thu s03*)10:30
 Tarimo, Delvina, s04-018
 Tateyama, Yoshitaka, (*Tue s16*)18:20
 Tatu (Arnold), Georgiana-Luiza, s14-011
 Tautgirdas, Ruzgas, (*Mon s02*)14:20
 Tavakkoli, Mohammad, (*Fri s20*)09:50
 Tavallaie, Roya, (*Mon s02*)10:30
 Tchokonte, M.B.T, s07-003
 Teixeira, Marcos, s01-025
 Temiye, Edamisan, (*Thu s06*)16:00
 Tempel, Hermann, (*Fri s20*)09:30
 Teng, Hsisheng, (*Thu s07*)10:30
 Teodor, Alexandra, (*Thu s06*)18:20, s06-004
 Terella, Antonio, (*Mon s08*)17:20, (*Thu s07*)16:40
 Terryn, Herman, (*Thu s11*)14:00, (*Thu s11*)15:20
 Tesch, Marc F., (*Thu s21*)17:00, (*Thu s21*)14:00, s03-006
 Tesfay, Hayelom Hiluf, (*Thu s04*)10:10
 Tessensohn, Malcolm, (*Mon s14*)14:40
 Tetana, Zikhona, s08-015
 Thiam, Abdoulaye, s12-015
 Thierry, Dominique, (*Fri s11*)09:50, (*Fri s11*)10:10
 Thimm, Jan Hendrik, s07-042
 Thirumalraj, Balamurugan, (*Mon s07*)15:20
 Thirupathi, Antony, s20-002
 Thomberg, Thomas, (*Tue s08*)10:30
 Thorimbert, Serge, s02-022
 Tian, Na, (*Tue s09*)18:00, (*Thu s03*)16:00
 Tian, Xiaochun, s06-005
 Tian, Zhao-Wu, (*Thu s17*)15:20
 Tian, Zhong-Qun, (*Mon s16*)14:40, (*Tue s05*)10:10, (*Thu s17*)15:20, s15-001, s16-003
 Tilley, Richard, (*Mon s02*)10:30, (*Thu s19*)17:40, (*Fri s03*)09:30
 Timakwe, Sapo, s02-021
 Tiurin, Ortal, s07-033
 Tiwari, Ashutosh, (*Fri s15*)11:50
 Tiwari, Devendra, (*Thu s04*)09:30
 Tjebane, Tjati, s07-059
 Tobrman, Tomas, (*Mon s14*)16:00
 Tokito, Shizuo, s02-020
 Tolosa, Aura, (*Mon s07*)15:40
 Tomachuk, Céilia Regina, s11-014, s11-016
 Tong, Yexiang, (*Wed s03b*)09:50
 Tong, Yujin, (*Mon s05*)16:40
 Tong, YuYe, (*Mon s16*)15:00, (*Tue s03*)14:40
 Tonti, Dino, (*Tue s16*)10:10
 Toparli, Cigdem, (*Thu s16*)09:50
 Torimoto, Tsukasa, (*Tue s04*)17:40
 Torresi, Roberto M., (*Tue s08*)09:30, s07-026
 Touzalin, Thomas J. M., (*Mon s16*)18:00, s21-011
 Touzin, Matthieu, (*Thu s15*)16:00
 Trautmann, Martin, (*Wed s03*)10:30
 Tremiliosi-Filho, Germano, (*Tue s09*)17:20, s09-002, s14-013, s17-010
 Tresso, Elena, s04-021
 Tri Murti, Bayu, (*Fri s15*)11:50
 Tribollet, Bernard, (*Mon m1*)14:00, (*Thu s11*)17:00
 Tricoli, Antonio, (*Mon s01*)15:40
 Trimarco, Daniel, s01-020
 Triskova, Iveta, (*Tue s01*)18:00
 Trnkova, Libuse, (*Tue s01*)18:00
 Tsai, Meng-che, (*Tue s10*)16:00
 Tsai, Shu-Yi, s03-011, s07-004
 Tseng, Yan-Di, s01-013
 Tseng, Yu-Hsien, (*Thu s07*)10:30
 Tshwenya, Luthando, (*Tue s14*)10:10

Tsoari, Thokozani, *s08-009*
 Tsujimura, Seiya, (*Thu s06*)18:00, *s06-001*,
s06-007
 Tsunoda, Yuki, *s04-009*
 Tsuzuki, Seiji, *s07-002*, *s07-046*
 Turchanin, Andrey, *s04-006*
 Turek, Thomas, (*Mon s05*)15:00,
 (*Wed s15*)09:30, *s03-009*, *s07-034*,
s17-006

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Uematsu, Taro, (*Tue s04*)17:40
 Ulstrup, Jens, (*Tue s03*)10:10
 Umebayashi, Yasuhiro, *s07-002*, *s07-046*
 Umeda, Minoru, (*Thu s03b*)15:00,
s17-003
 Umer, Muhammad, (*Tue s02*)15:20,
s02-023
 Umukoro, Eseghe, *s05-010*
 Unal, Asuman, (*Mon s16*)16:40
 Ungureanu, Eleonora-Mihaela, *s14-011*
 Unwin, Patrick, (*Wed m1*)09:30,
 (*Fri s19*)09:30, *s19-007*
 Uosaki, Kohei, (*Thu s03*)14:40,
 (*Thu s03*)15:20
 Upan, Jantina, (*Mon s02*)18:00
 Urazov, Kazhmukhan, *s04-019*, *s04-020*
 Urban, Jeffrey J., (*Mon s03*)18:20
 Uribe, Laura, *s02-022*
 Ushioda, Yusuke, *s07-001*
 Uwaya, Gloria, *s21-010*

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Vacha, Martin, (*Tue s04*)17:40
 Vaghefinazari, Bahram, (*Tue s07*)14:40,
 (*Wed s11*)09:30
 Valente, António, (*Tue s02*)14:40
 Valvo, Mario, *s07-020*
 Van Assche, Guy, (*Thu s11*)15:20
 Van der Horst, Charlton, *s02-010*, *s02-019*
 van der Westhuizen, Deidre, *s14-007*
 van Heck, Richard, (*Thu s17*)17:20
 van Heerden, Tracey, (*Fri s15*)11:30
 Van Laethem, Dries, (*Thu s07*)15:00
 van Steen, Eric, (*Fri s03b*)09:30, *s03-004*
 Vancaeyzeele, Cedric, *s08-004*
 Varcoe, John Robert, (*Tue s03*)17:00
 Varela, Hamilton, (*Tue s09*)17:20, *s14-013*
 Varenne, Anne, (*Tue s02*)14:00,
 (*Fri s01*)09:30
 Vargas, Ignacio, *s11-003*
 Varhade, Swapnil, (*Tue s20*)16:00
 Varvaris, K. Liam, (*Thu s21*)15:40,
 (*Fri s21*)09:30
 Varzi, Alberto, *s04-021*
 Vasconcelos, Camila, *s14-015*
 Vasile, Eugeniu, (*Tue s04*)15:20
 Vaskevich, Alexander, (*Tue s10*)15:20,
s10-005
 Vasseur, Karolien, *s07-023*
 Vaughn, Michael, (*Thu s06*)18:20, *s06-004*
 Vazquez-Gomez, Lourdes, (*Tue s10*)14:40
 Velasquez-Yevenes, Lilian, *s18-003*
 Velinov, Nena, *s10-002*
 Venegas, Ricardo, *s14-017*, *s14-018*
 Venegas-Yazigi, Diego, *s20-008*, *s20-009*
 Venter, Andrew, *s11-008*
 Ventosa, Edgar, (*Tue s07*)15:40,
 (*Fri s03*)09:50
 Vereecken, Philippe, (*Thu s07*)15:00

Verlato, Enrico, (*Tue s10*)14:40
 Vermaas, David, (*Thu s03b*)14:00
 Veroli, Alyne B, *s12-014*
 Versaci, Daniele, (*Thu s07*)17:00
 Vicente, Rafael, (*Tue s03*)14:00
 Vidakovic-Kocha, Tanja, (*Wed s15*)09:30,
 (*Thu s17*)10:10
 Vidal, Jorge, (*Tue s12*)17:00
 Vignal, Thomas, (*Mon s08*)16:40
 Vigo, Daniele, (*Mon s01*)14:40
 Vilà, Neus, (*Thu s13*)15:20
 Vilakazi, Sibulelo, (*Mon s02*)15:00,
s02-003
 Vilar, Vător j.p., (*Tue s12*)16:40, *s01-014*,
s12-017
 Vilas-Bôas, Naiza, (*Wed s8*)18:00, *s08-018*
 Virtanen, Sannakaisa, (*Wed s11*)10:10,
s11-013
 Vitale, Fabrizio, (*Thu s11*)09:50
 Vivek, J. Padmanabham, (*Tue s16*)10:10
 Vivier, Vincent, (*Thu s11*)17:00
 Vizintin, Alen, (*Tue s07*)17:40
 Vizza, Francesco, (*Mon s03*)14:40,
 (*Tue s03*)17:00, *s03-031*
 Vogel, Yan, (*Thu s19*)17:40
 Volgare, Luciana, (*Wed s11*)10:30
 von Delius, Max, *s04-006*
 von Eschwege, Karel, *s14-007*
 von Kolzenberg, Lars, (*Thu s15*)14:00

W

Wachter, Naihara, (*Mon s12*)14:40
 Wadas, Anna, (*Mon s04*)10:10,
 (*Tue s09*)15:00
 Wahab, Oluwasegun, *s19-007*
 Waidhas, Fabian, (*Tue s09*)17:40
 Wain, Andrew J., (*Tue s16*)10:50
 Wajima, Tomotaka, (*Tue s04*)17:40
 Wakisaka, Yuki, (*Thu s03*)14:40
 Walcarius, Alain, (*Thu s13*)15:20
 Walczak, Magdalena, *s11-003*
 Waldeck, David, (*Wed s06*)09:30
 Waldvogel, Siegfried R., (*Mon s14*)09:30,
 (*Thu s17*)16:00, *s17-015*
 Walkowiak, Mariusz, *s07-047*, *s07-053*,
s07-056
 Walsh, Darren, (*Tue s10*)18:00
 Walter, Alexis, (*Tue s12*)09:30
 Wamwangi, Daniel, *s03-031*, *s04-016*,
s20-010
 Wan, Li-Yang, (*Thu s03*)16:00
 Wan, Ying, *s02-024*
 Wang, Andrew, (*Thu s15*)10:30
 Wang Caiyun, Bussell Tim, (*Thu s07*)09:50
 Wang, Dong, (*Fri s19*)10:30
 Wang, Ergang, *s07-057*
 Wang, Guoxiong, (*Thu s03b*)14:40
 Wang, Hailiang, (*Mon s05*)15:40
 Wang, John, (*Thu s11*)15:40
 Wang, Lianqin, (*Tue s07*)14:40,
 (*Tue s03*)17:00
 Wang, Meng, (*Fri s19*)11:10
 Wang, Na, *s05-016*
 Wang, Rui, (*Tue s05*)10:10
 Wang, Wei, (*Thu s21*)17:20, *s19-001*,
s19-004
 Wang, Weiwei, (*Mon s07*)17:20
 Wang, Xiang, (*Thu s19*)14:00
 Wang, Xiaoen, (*Tue s07*)16:40
 Wang, Xuehang, (*Mon s08*)09:30

Wang, Yan, (*Wed s18*)10:30
 Wang, Zhaohui, (*Fri s18*)09:30
 Wang, Zulin, (*Thu s17*)15:00,
 (*Thu s17*)17:00
 Warakulwit, Chompunuch, (*Tue s20*)17:40
 Warmbier, Robert, (*Tue s04*)18:40
 Wasserscheid, Peter, (*Tue s09*)17:40
 Watanabe, Masayoshi, *s07-002*, *s07-046*
 Watson, Matthew, (*Fri s18*)11:10
 Weale, Simon, (*Tue s10*)15:00
 Weaver, Nic, (*Fri s18*)11:10
 Weber, Adam, (*Wed s03b*)10:10,
 (*Thu s17*)10:10
 Weber, André, (*Thu s07*)09:30,
 (*Thu s07*)10:10, (*Thu s15*)14:40,
 (*Thu s03*)16:40, *s15-003*
 Webster, Richard, (*Mon s14*)14:40
 Wei, Wei, *s19-004*, *s19-005*
 Wei, Xian-Kui, (*Tue s16*)10:50
 Weidlich, Claudia, *s18-007*
 Weissmüller, Jörg, (*Mon s05*)10:30
 Wejrzanowski, Tomasz, *s03-011*
 Weng, Lien-Chun, (*Wed s03b*)10:10
 Weng, Zhe, (*Mon s05*)15:40
 Wernig, Eva-Maria, (*Thu s03b*)14:20,
s16-001
 Westerhoff, Paul, (*Mon s12*)16:40
 Wetjen, Morten, (*Thu s07*)15:40
 Weyhermüller, Thomas, (*Wed s03*)09:50,
s14-010
 Więckowska, Agnieszka, (*Tue s05*)09:50
 Wiberg, Cedrik, *s07-057*
 Wijesinghe, Sudesh, *s11-011*
 Wilde, Patrick, (*Wed s03*)10:30,
 (*Fri s03*)09:30, (*Fri s03*)09:50,
 (*Fri s19*)11:30
 Wildlock, Mats, (*Thu s17*)10:30
 Will, Geoffrey, *s09-001*
 Williams, David E, (*Mon m1*)09:30,
 (*Thu s11*)17:20
 Wilson, Benjamin, (*Thu s11*)14:40,
 (*Thu s17*)15:00, (*Thu s17*)17:00
 Wilson, Lindsay, (*Mon s02*)16:40
 Winkler, Daniel, (*Thu s03b*)14:20
 Winska, Gabriela, *s01-002*
 Winter, Martin, *s07-018*
 Wittstock, Gunther, (*Mon s05*)10:30,
 (*Mon s04*)18:00, (*Thu s19*)17:20,
s19-002
 Wizner, Agnieszka, (*Tue s07*)14:20
 Woo, Min Hong, *s07-058*
 Wood, David L., (*Tue s16*)14:00
 Wood, Marissa, (*Tue s16*)14:00
 Wordsworth, Johanna, (*Fri s03*)09:30
 Wouters, Benny, (*Thu s11*)15:20
 Wu, Congping, (*Tue s04*)17:20
 Wu, De-Yin, (*Mon s16*)14:40,
 (*Tue s05*)10:10, *s16-003*
 Wu, Feng, (*Tue s07*)16:00
 Wu, Nengying, *s01-016*
 Wu, Sisi, (*Thu s19*)14:00
 Wu, Yuan-Fei, *s16-003*
 Wu, Yun, (*Mon s03*)15:40
 Wu, Zongdeng, *s01-003*
 Wuellenweber, Johannes, *s04-011*
 Wyszchka, Dennis, (*Thu s07*)09:30

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Xavier de Freitas, Bruno, *s11-014*
 Xia, Xing-Hua, (*Mon s01*)18:20
 Xiang, Juan, *s02-031*
 Xiao, Xinxin, (*Tue s03*)10:10
 Xing, Wei, (*Thu s03b*) 17:20, *s01-004*
 Xu, Cong-Hui, (*Thu s19*)14:40
 Xu, Feng, (*Fri s19*)11:10
 Xu, Guobao, (*Tue s14*)10:30, *s13-003*
 Xu, Hai-Chao, (*Thu s17*)15:40
 Xu, Hongyu, (*Mon s07*)17:20
 Xu, Janyuan, (*Tue s16*)10:50
 Xu, Jing-Juan, (*Mon s01*)18:00,
 (*Thu s19*)14:40
 Xu, Junyuan, (*Thu s03b*) 17:00
 Xu, Linru, (*Thu s19*)16:00
 Xu, Ruoyu, *c-002*
 Xu, Weilin, (*Thu s19*)15:40
 Xu, Yanzheng, (*Thu s04*)10:30
 Xu, Yin, (*Tue s04*)15:40

Y

Yaegaki, Ryosuke, (*Mon s01*)17:40
 Yamaguchi, Yusuke, *s20-007*
 Yamamoto, Takahisa, (*Tue s04*)17:40
 Yamamoto, Tohru, *s03-030*
 Yan, Chengcheng, (*Thu s03b*) 14:40
 Yan, Jiawei, (*Mon s07*)17:20,
 (*Mon s16*)17:40
 Yanagisawa, Masahiro, (*Wed s02*)09:50
 Yáñez, Claudia, *s01-019*
 Yang, Chunzhen, (*Thu s03*)10:30
 Yang, Haesik, (*Tue s02*)09:30
 Yang, Juchan, *s12-004*
 Yang, Meng, *s14-014*
 Yang, Peidong, (*Fri p1*)08:15
 Yang, Qinaxia, *s03-036*
 Yang, Tae Hyun, *s03-024*, *s03-035*
 Yang, Weihua, *s03-036*
 Yang, Yi, (*Fri s18*)10:10
 Yang, Ying, (*Thu s19*)17:40
 Yang, Yong, (*Tue s07*)15:20
 Yao, Jiacheng, *s04-007*
 Yaremchenko, Aleksey, (*Thu s03b*) 09:30,
s03-010
 Yasuda, Kouji, (*Wed s18*)09:30
 Ye, Shen, (*Mon s16*)16:00
 Yehezkeili, Omer, (*Mon s03*)17:40
 Yenus, Zebib, *s12-008*
 Yildiz, Bilge, (*Thu s16*)09:50

Yilmaz, Aytac, *s11-017*
 Yin, Geping, (*Fri s21*)11:30, *s07-015*,
s07-019, *s07-052*
 Yin, Huayi, (*Fri s18*)10:30
 Yin, Shibin, *s03-001*, *s03-008*
 Ying, Yilun, (*Fri s19*)11:50
 Yliniemi, Kirsi, (*Thu s17*)15:00,
 (*Thu s17*)17:00
 Yoon, Sun Hee, (*Tue s12*)17:20, *s15-002*
 Yoon, Young Gi, *s03-024*, *s03-035*
 Yoshida, Makoto, (*Thu s06*)15:40
 You, Tae-Sun, *s07-025*
 Younesi, Reza, *s07-020*
 Yu, Holly, (*Tue s01*)15:40
 Yu, Jianguo, (*Fri s17*)10:30
 Yu, Ping, (*Tue s01*)14:20
 Yue, Qiaoli, (*Wed s02*)09:30
 Yukuhiro, Victor, (*Tue s03*)14:00

Z

Zabinski, Piotr, (*Mon s05*)16:00
 Zacarias, Sônia, (*Thu s06*)17:40
 Zaccagnini, Pietro, *s04-021*
 Zagal, José H., (*Mon s14*)17:20,
 (*Tue s16*)18:00
 Zakharchuk, Kiryl, (*Thu s03b*) 09:30,
s03-010
 Zalitis, C, (*Wed s03*)09:30
 Zana, Alessandro, (*Tue s09*)15:20
 Zanata, Cinthia, *s03-018*
 Zanella, Caterina, (*Fri s11*)11:10
 Zangari, Giovanni, (*Tue s04*)15:40
 Zanna, Sandrine, (*Thu s11*)16:40
 Zannah, Shaheda, (*Tue s02*)16:40
 Zarma, H. I., *s08-010*
 Zarochintsev, Alexander, (*Tue s01*)17:40
 Zarrabeitia, Maider, (*Tue s07*)14:20
 Zatsepin, Timofei, *s01-018*
 Zazpe, Raul, (*Tue s04*)10:10, *s05-003*
 Zelger, Christian, (*Mon s07*)10:10
 Zeliang, Su, (*Thu s15*)14:20
 Zeng, Cheng-Chu, (*Mon s14*)10:30
 Zeyat, Mohammad, *s03-016*
 Zhan, Dongping, (*Thu s17*)15:20
 Zhan, Yangfan, *s03-036*
 Zhang, Chengxiao, *s01-016*
 Zhang, Chunmei, *s03-014*
 Zhang, Fan, *s14-006*
 Zhang, Hua, (*Wed s16*)09:30, *c-003*
 Zhang, Jingdong, (*Tue s03*)10:10
 Zhang, Liangliang, (*Thu s04*)10:30
 Zhang, Lin, (*Thu s21*)15:00,
 (*Thu s13*)15:20
 Zhang, Long, (*Mon s02*)10:30
 Zhang, Meining, (*Tue s01*)15:00
 Zhang, Meng, (*Tue s05*)10:10
 Zhang, Peng-Yang, (*Thu s03*)16:00
 Zhang, Ruizhong, *s03-014*
 Zhang, Wenjian, (*Thu s17*)14:00
 Zhang, Xinsheng, (*Mon s04*)15:00,
 (*Fri s17*)09:50
 Zhang, Xutong, *s14-014*
 Zhao, Fangyuan, (*Thu s06*)17:40
 Zhao, Feng, *s06-005*
 Zhao, Jinfeng, (*Tue s08*)10:30, *s16-002*
 Zhao, Wei, (*Thu s19*)14:40
 Zhao, Wei-Wei, (*Mon s01*)18:00
 Zheludkevich, Mikhail L., (*Tue s07*)14:40,
 (*Wed s11*)09:30
 Zhen, Chun-Hua, (*Tue s09*)18:00
 Zheng, Chenyi, (*Wed s18*)10:10
 Zheng, Ju-Fang, *s14-006*
 Zheng, Xusheng, (*Mon s16*)15:40
 Zhong, Yunxin, (*Mon s16*)17:40
 Zhou, Jian-Zhang, (*Tue s05*)10:10, *s16-003*
 Zhou, Wei, *s05-016*
 Zhou, Xiao-Shun, *s14-006*
 Zhou, Yige, (*Fri s21*)10:30
 Zhou, Yong, (*Tue s04*)17:20
 Zhou, Yue, (*Mon s01*)18:20
 Zhou, Zhi-You, (*Tue s16*)14:40,
 (*Tue s09*)18:00, (*Thu s03*)16:00
 Zhu, Enhua, (*Tue s02*)17:40
 Zhu, Meng-Jiao, (*Thu s19*)14:40
 Zhu, Xinhua, (*Thu s07*)15:00
 Zhu, Yongxiang, (*Mon s04*)15:00
 Zhuang, Zhihua, (*Mon s16*)10:30
 Zhulikov, Vladimir, *s07-016*, *s10-009*
 Zigah, Dodzi, (*Tue s20*)17:40
 Zirbes, Michael, (*Thu s17*)16:00
 Zitolo, Andrea, (*Tue s16*)16:00
 Zornitta, Rafael L, *s12-001*
 Zou, Zhigang, (*Tue s04*)17:20
 Zouni, Athina, (*Thu s06*)17:20, *s06-008*
 Zubair, Usman, (*Thu s07*)17:00
 Zukal, Arnost, (*Thu s07*)16:00
 Zukořová, Marketa, (*Thu s07*)16:00
 Zuo, Pengjian, (*Fri s21*)11:30
 Zwane, Busisiwe, *s17-011*
 Zwaschka, Gregor, (*Mon s05*)16:40

The International Society of Electrochemistry



The International Society of Electrochemistry (ISE) was founded in 1949 by leading European and American electrochemists to serve the growing needs of electrochemistry. At that time only a handful of scientists were members of the society – known as CITCE (Comité International de Thermodynamique et Cinétique Electrochimiques). Since then ISE has evolved and comprises now more than 3500 individual members, from 75 countries, and is organized in 44 Regional Sections. Both industrialised and developing countries from all five continents are represented. ISE is, therefore, a truly world-wide organisation. ISE is a non-profit-making organisation with its seat in Lausanne, Switzerland.

The International Society of Electrochemistry (ISE) is devoted to the advancement of electrochemical science and technology through the promotion of international contacts and the dissemination of scientific knowledge. For this ISE organises Annual and Topical Meetings which are held in different countries each year and which cover a wide range of current topics in fundamental and applied electrochemistry. The activities of ISE include the sponsoring of regional meetings, and of special meetings of limited participation devoted to particular subjects. A scientific journal, *Electrochimica Acta*, is edited by ISE and supplied to its members at a special rate. Individuals, non-profit organisations, industrial companies and learned societies may become members of ISE. The administration of ISE is done by an Executive Committee, periodically elected by all members. The Regional Representatives together with the Division Officers form the ISE Council which advises the Executive Committee. The scientific activities of ISE are grouped into Scientific Divisions. They are organised and co-ordinated by the Committee of Division Officers headed by the President Elect. Upon joining ISE each member indicates his/her divisional interests.

The history of the International Society of Electrochemistry (ISE) is described in a series of articles published in Volume 45 of *Electrochimica Acta* and available on the web site of the Society (<http://www.ise-online.org/geninfo/history.php>).

Why you should join ISE

ISE membership provides a number of advantages which can be summarized as follows:

- Individual members can get reduced subscription rates for the following journals:
Electrochimica Acta,
Journal of Electroanalytical Chemistry,
Electrochemistry Communications,
Bioelectrochemistry,
Journal of Power Sources,
Journal of Applied Electrochemistry,
Electrocatalysis,
Journal of Solid State Electrochemistry for personal use.
There is also a **Discounted Package** available consisting of the Journal of Electroanalytical Chemistry, Electrochemistry Communications, and Bioelectrochemistry (online).
- Reduced registration fees at ISE Meetings
- Access to the "members restricted area" of the ISE website
- Access to the full membership directory with all members addresses

How to become an ISE member

Becoming an ISE member is simple: you will find a Membership Application Form on the Society web site (at the address: http://members.ise-online.org/members/new_members.php), which you can fill in and submit online. In the application form you will have to select up to three Divisions and indicate two sponsoring ISE members. Should it be difficult for you finding these sponsors, please write to the Executive Secretary of the Society Dr. Petr Krtil, e-mail: info@ise-online.org

Membership fees

Individual yearly membership fees are 50 EUR for members above 30 years of age, and 15 EUR for members of age 30 or less and for Emeritus members.



ISE Organization

Executive Committee

The Executive Committee is entrusted with the management of the Society.

ISE Office

The ISE Office performs all administrative tasks related to the operation of the Society. It is located in Switzerland, and managed by an Executive Secretary.

The ISE Office serves as the primary contact for members and non-members.

Division Officers

The scientific activities of ISE are grouped into seven Scientific Divisions and a New Topics Committee. The divisions are headed by a Chairperson assisted by a Past Chair, a Chair Elect and two Vice Chairs. Their role is to promote and represent the scientific interests of the division and its members, for example through contributing to the organization of Annual, Topical and other Society meetings.

Regional Representatives

In each country or group of countries having fifteen members or more, a national or regional section of ISE may be formed. Each section has a Regional Representative.

Council

The ISE Council is an Advisory Body. The voting members of the Council consist of three Officers from each Division and all the Regional Representatives. All persons constituting the Council are elected by the members of the Society.

Scientific Meetings Committee

The Scientific Meetings Committee plans and oversees the organization and sponsorship of scientific meetings within the broad field of electrochemistry.

Agustin E. Bolzan *chair* (aebolzan@gmail.com)

Zhong-Qun Tian, *observer ex-officio as President*

Marc Koper, *ex-officio as President Elect*

Gunther Wittstock, *ex-officio as Treasurer*

Tim Albrecht, *ex-officio as Secretary General*

Nadine Pébère

David Williams

Thierry Lenzin, *non-voting member, representative of the ISE office*

Raphael Berger, *non-voting member, representative of the ISE office*

Petr Krtil, *observer ex-officio as Executive Secretary*

Fellows Nominating Committee

The Fellows Nominating Committee is a standing committee which proposes names to the Executive Committee for the title of ISE Fellow. It is also responsible for identifying candidates for honorary membership.

Richard Compton, (2015-2019) Chair in 2019

Takashi Kakiuchi, (2014-2018) Past Chair in 2019

Elena Savinova, (2016-2020)

Hasuck Kim, (2017-2021)

Robert Savinell, (2018-2022)

Wolfgang Schuhmann, (2019-2023)

Publication Committee

The Publication Committee, a standing committee of ISE, acts as an advisory board to the Executive Committee on publication matters.

Christopher Brett, Chair, (2016-2020)

Jun Cheng (2019-2021)

Susana Cordoba de Torresi (2018-2020)

Luigi Falciola (2018-2020)

Martin Jonsson-Niedziolka (2018-2020)



ISE Executive Committee

President

Zhong-Qun Tian, Xiamen, China (2019-2020)

Representation of ISE. Chairperson of Executive Committee, Council and General Assembly

President Elect

Marc Koper, Leiden, Netherlands (2019-2020)

Chairperson of Committee of Division Officers. Coordination of scientific program of future Annual Meetings, supervision of Division Officers' activities

Immediate Past President

Philip N. Bartlett, Southampton, UK (2019-2020)

Chairperson of Executive Committee in the absence of the President

Vice Presidents

Alison Downard, Christchurch, New Zealand (2018-2020)

Responsible for Educational Activities in ISE

Marilia Goulart, Maceio, Brazil (2017-2019)

Responsible for Regional Sections

Deborah Jones, Montpellier, France (2018-2020)

Responsible for value for Members

Francesco Paolucci, Bologna, Italy (2019-2021)

Responsible for communication and external relationships

Secretary General

Tim Albrecht, Birmingham, UK (2018-2020)

General tasks

Ensuring continuity and efficiency of scientific policy. Coordination of tasks of Vice Presidents. Identification of new developments in electrochemistry and possible new scientific and nonscientific activities. Scientific matters not handled by the President or President Elect.

Tasks in collaboration with ISE Office

Ensuring that constitution, bylaws, guidelines, schedules etc. are observed. Preparation of Annual Reports. Collection of information for newsletters and coordination of actions.

Annual and Topical ISE Meetings

Coordination of Meetings (location, time, topics). Representative of Executive Committee and advisor to Local Organising Committees for nonscientific matters (location, facilities, control of financial planning, schedule, publicity).

Treasurer

Gunther Wittstock, Oldenburg, Germany (2017-2019)

Responsible for the administration and the management of the assets and property of the Society, preparation of budgets and financial reports, financial planning, investment policy, supervision of financial matters of Annual and Topical ISE Meetings.

Executive Secretary

Petr Krtil, Prague, Czech Republic (2019-2023)

Responsible for maintaining the ISE calendar, assisting with organizing the business and financial arrangements for Annual and Topical Meetings, organising committee appointments, assisting the Secretary General with Society elections, recruiting new members, and co-ordinating Executive Committee meetings. Drafts ISE documents, acts as web page editor, maintains ISE archives and records, and serves as the contact person for members (particularly at ISE meetings).



Scientific Divisions of ISE

Division 1 – ANALYTICAL ELECTROCHEMISTRY

Experimental and theoretical aspects of the analytical process in which electrochemistry has a role, including sample collection / processing, separation, and species identification and quantitation.

Chair: A. Walcarius, Past Chair: D. Mandler, Chair Elect: L. Falciola, Vice-Chairs: L. Kubota, R. Pauliukaite

Division 2 – BIOELECTROCHEMISTRY

Aspects of electrochemistry and electroanalysis characterizing biological processes at the molecular level and relevant to the mechanisms of biological regulation of cells.

Chair: E. Ferapontova, Acting Past Chair: F. Lisdat, Chair Elect: E. Lojou, Vice-Chairs: , Taek Dong Chung, E. Magner

Division 3 – ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE

Experimental and theoretical aspects of electrochemistry in which the goal is the interconversion of energy between different forms or the storage of energy, including the processes themselves and materials used for these purposes.

Chair: F. Soavi, Past Chair: R. Kostecki, Chair Elect: A. Balducci, Vice-Chairs: K. Kanamura, C. Santato

Division 4 – ELECTROCHEMICAL MATERIALS SCIENCE

Aspects of materials science in which electrochemistry is part of the synthesis, processing, surface treatment, corrosion, characterization or modeling of new or existing materials, or in which electrochemistry is the user of such materials.

Chair: M. Santamaria, Past Chair: G. Zangari, Chair Elect: V. Vivier, Vice-Chairs: C.-C. Hu, M. Vorotyntsev

Division 5 – ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY

Experimental and theoretical aspects and applications of electrochemistry in which engineering issues play a significant role, including scale-up and reactor design.

Chair: G. Botte, Past Chair: K. Bouzek, Chair Elect: M. Rodrigo, Vice-Chairs: S. Palmas, Minhua Shao

Division 6 – MOLECULAR ELECTROCHEMISTRY

Structural and mechanistic aspects of electrode processes of inorganic, metallorganic and organic substances; synthetic applications.

Chair: P. Mussini, Past Chair: O. Buriez, Chair Elect: M. Hromadova, Vice-Chairs: Guobao Xu, J. Zagal

Division 7 – PHYSICAL ELECTROCHEMISTRY

Experimental, theoretical and computational aspects of electrochemistry, alone or in conjunction with other methods, relevant to interfaces and conductive media; this shall include physicochemical nature, structure and dynamics from the molecular to the macroscopic level.

Chair: A. Cuesta, Past Chair: A. Gewirth, Chair Elect: Shen Ye, Vice-Chairs: K. Domke, P. Levecque

New Topics Committee

The New Topics Committee identifies interesting and relevant scientific and technological subjects not covered by the ISE Divisions. It has tasks similar to those of a Division, except that it may have several and changing technical priorities.

Chair: Yong-yao Xia, Past Chair: N.J. Tao, Chair Elect: H. Girault



Regional Representatives

Argentina:	E. Leiva	2018-2020	1st term
Australia-New Zealand	D. Silvester	2018-2020	1st term
Austria:	B. Gollas	2019-2021	2nd term
Belgium:	T. Breugelmans	2019-2021	2nd term
Brazil:	F. Lima	2018-2020	1st term
Bulgaria:	E. Slavcheva	2018-2020	2nd term
Canada:	C. Santato	2019-2021	1st term
Caribbean Region	J. Calderon	2017-2019	2nd term
Chile:	I. Ponce	2019-2021	1st term
China:	Jun Chen	2019-2021	1st term
Croatia:	M. Kraljic-Rokovic	2018-2020	2nd term
Czech Republic	M. Fojta	2019-2021	2nd term
Denmark:	J. Rossmeisl	2018-2020	1st term
Estonia:	E. Härk	2017-2019	2nd term
Finland:	B. Wilson	2017-2019	2nd term
France:	S. Szunerits	2017-2019	1st term
Germany:	U. Krewer	2018-2020	1st term
Greece:	S. Neophytides	2019-2021	2nd term
Hungary:	T. Pajkossy	2017-2019	1st term
India:	S.K. Aggarwal	2017-2019	2nd term
Iran:	B. Rezaei	2019-2021	1st term
Ireland:	J. Rohan	2019-2021	2nd term
Israel:	L. Alfonta	2017-2019	1st term
Italy:	C. Arbizzani	2019-2021	1st term
Japan:	S. Kuwabata	2017-2019	2nd term
Korea:	W. Shin	2019-2021	2nd term
Lithuania:	R. Pauliukaite	2017-2019	2nd term
Mexico:	F. Gonzalez-Bravo	2018-2020	1st term
Netherlands:	K. Mathwig	2019-2021	1st term
Norway:	V. Yartys	2019-2021	2nd term
Poland:	W. Nogala	2019-2021	1st term
Portugal:	A. Viana	2018-2020	1st term
Romania:	M. Ungureanu	2018-2020	2nd term
Russia:	A. Antipov	2019-2021	1st term
Serbia:	A. Dekanski	2017-2019	2nd term
South Africa:	P. Baker	2019-2021	2nd term
Spain:	E. Herrero	2017-2019	2nd term
Sweden:	R. Wreland Lindström	2019-2021	2nd term
Switzerland:	P. Broekmann	2019-2021	2nd term
Taiwan:	H. Teng	2018-2020	2nd term
Turkey:	M.S. Yazici	2017-2019	2nd term
Ukraine:	O. Linyucheva	2019-2021	1st term
United Kingdom:	G. Denuault	2017-2019	1st term
USA:	S. Minter	2017-2019	1st term



Corporate Sustaining Members

Corporate Sustaining Members are industrial and commercial (profit-making) organizations. As a Corporate Sustaining Member you can nominate one or two person(s) as your representative(s).

Corporate Sustaining representatives have the following advantages:

- One representative receives an online access to the ISE journal *Electrochimica Acta* without further charge.
- They can participate in Annual ISE Meetings at reduced registration fees.
- They are invited to co-operate with the divisions, to give proposals and advice on division symposia.
- They are informed about the activities of ISE and about Annual, Topical and Special ISE Meetings and division symposia on new developments in science and technology.
- They can be elected as Society officers

Advertising

- A list of the Corporate Sustaining Members is published regularly in *Electrochimica Acta* and on the web pages.

Annual Meeting

- Special sessions will be organised for electrochemical and electroanalytical instrumentation.
- You can contact regional groups via Regional Representatives.
- Business meeting places will be offered during Annual ISE Meetings for contacts between people from science and industry to discuss issues such as job recruiting, co-operation in applied research, announcement of research frameworks, negotiation of research contracts etc.

For further information please contact the ISE Office.

Corporate Sustaining Membership fee: 500 EURO

Corporate Members

Corporate Members are teaching institutions, non-profit-making research organizations and learned societies. As a Corporate Member you can nominate a person as your representative.

Corporate representatives have the following advantages:

- One representative receives an online access to the ISE journal *Electrochimica Acta* without further charge.
- They can participate in Annual ISE Meetings at reduced registration fees.
- They are invited to co-operate with the divisions, to give proposals and advice for division symposia.
- They are informed about the activities of ISE and about Annual and Special ISE Meetings and division symposia on new developments in science and technology.
- They can be elected as Society officers.

Corporate Membership fee: 300 EURO

Bio-Logic
Central Electrochemical Research Institute
Gamry Instruments
Ionode
Orignalys
PalmSens BV
Scribner
Sensolytics GmbH

ISE Honorary Members



Honorary Members are appointed by the Executive Committee, after consultation with the Council, primarily in recognition of their contribution to ISE. The total number at any time is limited to ten.

The first Honorary Member of ISE, appointed in the year 2003, was **Otmar Dossenbach**, Treasurer of the Society for 21 years (1980-2000) and Executive Secretary for 2 years (2001-2002).

Two new Honorary Members were appointed in the year 2004: **Roger Parsons** and **Sergio Trasatti**, former Presidents of the Society.

Three Honorary Members were appointed in the year 2005: **Ron Armstrong**, former Editor-in-Chief of *Electrochimica Acta* for 18 years, **Elton Cairns** and **Dieter Landolt**, former Presidents of the Society,

One Honorary Member was appointed in the year 2011: **Sharon Roscoe**, former Secretary General of the Society.

ISE Fellows

In recognition of their scientific or technical contributions to electrochemistry, the Society may confer on individual members the distinction of ISE Fellowship. Such ISE Fellows are appointed by the Executive Committee after consultation with the Council. The appointment does not carry with it automatic life-time ISE membership.

The present Fellows of ISE are:

Hector Abruña	György Inzelt	Emanuel Peled
Radoslav Adzic	Kingo Itaya	José Pingarron
Richard Alkire	Yasuhiko Ito	Zdenec Samec
Philippe Allongue	Huangxian Ju	Robert Savinell
Christian Amatore	Anny Jutand	Elena Savinova
Doron Aurbach	Takashi. Kakiuchi	David Schiffrin
Philip N. Bartlett	Arkady Karyakin	Wolfgang Schmickler
Martin Bazant	Hasuck Kim	Patrik Schmuki
R. Jürgen Behm	Marc Koper	Fritz Scholz
Daniel Bélanger	Alexander Kornyshev	Wolfgang Schuhmann
Alan Bond	Katharina Krischer	Bruno Scrosati
Elton Cairns	Claude Lamy	Yang Shao-Horn
Aicheng Chen	Ovadia Lev	Ashok Shukla
Christos Comninellis	Jacek Lipkowski	Patrice Simon
Richard Compton	Digby Macdonald	Ulrich Stimming
Serge Cosnier	Douglas R. MacFarlane	Shi-gang Sun
Chunhai Fan	Daniel Mandler	Zhongqun Tian
W. Ron Fawcett	Philippe Marcus	Jens Ulstrup
Juan Feliu	Rudolf A. Marcus	Patrick Unwin
Mario Ferreira	Frank Marken	Kohei Uosaki
Maria Forsyth	Nenad Markovic	Costas Vayenas
Claude Gabrielli	Jim McBreen	Alain Walcarius
Eliezer Gileadi	Richard McCreery	Li-Jun Wan
Hubert Girault	Shelley D. Minteer	Guoxiu Wang
Yury Gogotsi	Angela Molina	Masahiro Watanabe
Justin Gooding	Sanjeev Mukerjee	George Wilson
Lo Gorton	Richard Nichols	Martin Winter
Rolando Guidelli	Petr Novak	Yongyao Xia
Philippe Hapiot	Mark E. Orazem	José Zagal
Jurgen Heinze	Tetsuya Osaka	Jiujun Zhang
Robert Hillman	Masatoshi Osawa	
Bing Joe Hwang	Stefano Passerini	



Society Awards

Electrochimica Acta Gold Medal

The Electrochimica Acta Gold Medal may be awarded every two years to the person judged to have made the most significant contribution to electrochemistry in recent years.

Frumkin Memorial Medal

The Frumkin Memorial Medal may be given once every two years. It recognises the outstanding contribution of a living individual over his/her life in the field of fundamental electrochemistry.

Katsumi Niki Prize for Bioelectrochemistry

The Katsumi Niki Prize for Bioelectrochemistry may be awarded every two years to a scientist who has made an important contribution to the field of bioelectrochemistry.

Bioelectrochemistry Prize of ISE Division 2

The Bioelectrochemistry Prize of ISE Division 2 may be awarded every two years to a scientist who has made an important contribution to the field of bioelectrochemistry.

Brian Conway Prize for Physical Electrochemistry

The Brian Conway Prize for Physical Electrochemistry may be awarded every two years, in recognition of the most successful achievements in Physical Electrochemistry in recent years.

Alexander Kuznetsov Prize for Theoretical Electrochemistry

The Kuznetsov Prize is awarded every two years to a living individual who has made groundbreaking contribution to the theory of electrochemical phenomena.

Jaroslav Heyrovsky Prize for Molecular Electrochemistry

The Jaroslav Heyrovsky Prize for Molecular Electrochemistry, supported by ISE Division 6, may be awarded annually to a scientist who has made an important contribution to the field of molecular electrochemistry in the last 5 years.

Zhaowu Tian Prize for Energy Electrochemistry

The Zhaowu Tian Prize for Energy Electrochemistry may be awarded annually to a scientist of less than 40 years of age on January 1st of the year of the award, in recognition of her/his recent achievements in the field of electrochemistry for energy.

Tajima Prize

The Tajima Prize recognises the contributions made by younger electrochemists. Candidates must be less than 40 years old. An award may be made every year. The decision of the Award Committee will be based on published work.

ISE-Prize for Electrochemical Materials Science

The ISE-Prize for Electrochemical Materials Science is awarded annually to a young person for contributions in the field of electrochemical material science, including corrosion, electrodeposition and surface treatment.

Oronzio and Niccolò De Nora Foundation Young Author Prize

The Oronzio and Niccolò De Nora Foundation Young Author Prize may be awarded annually to a scientist of less than 30 years for the best paper published in the ISE society journal in the calendar year preceding the award.

ISE-Elsevier Prize for Experimental Electrochemistry

The ISE-Elsevier Prize for Experimental Electrochemistry may be awarded annually to a person who has made an important contribution to experimental electrochemistry.

ISE-Elsevier Prize for Green Electrochemistry

The ISE-Elsevier Prize for Green Electrochemistry may be awarded annually to a scientist of less than 35 years of age on January 1st of the year of the award, for recent application-oriented achievements in the field of environmental electrochemistry.

ISE-Elsevier Prize for Applied Electrochemistry

The ISE-Elsevier Prize for Applied Electrochemistry may be awarded annually to a scientist of less than 35 years of age on January 1st of the year of the award, for recent achievements in the field of applied electrochemistry.

Early Career Analytical Electrochemistry Prize of Division 1

The Early Career Analytical Electrochemistry Prize of ISE Division 1, sponsored by OrigaLys, may be awarded annually to a scientist of less than 35 years of age on January 1st of the year of the award in recognition of her/his recent achievements in Analytical Electrochemistry.

Electrochimica Acta and ISE Travel Award for Young Electrochemists

The Electrochimica Acta Travel Awards for Young Electrochemists are aimed at favouring the participation of young electrochemists in the ISE Annual Meetings. The applicants must be ISE members. They must have obtained their Ph.D. not earlier than 6 years before the deadline for applications.



ISE Sponsored Meeting Information

What is an ISE sponsored meeting?

You may have noticed that scientific meetings in the field of electrochemistry are often labelled “ISE sponsored Meeting”. What does this mean? In addition to organizing its own meetings, such as the Annual and Topical Meetings, ISE may sponsor other international scientific meetings in the area of electrochemistry. ISE sponsorship is intended to be a sign of quality for the meeting.

What are the requirements for ISE sponsorship?

ISE requires that the scientific quality of the meeting reaches the standard of its own meetings. It is desirable that the advisory board consists of ISE members, as far as possible. The meeting must be open to all ISE members.

Who decides?

The decision is normally taken by the officers of the ISE Division in whose field of interest the topic of the meeting lies. ISE Division Officers should be involved in the organisation of the meeting. The ISE Executive Committee decides on the sponsorship for meetings of general interest.

What are the obligations of the organizers?

The organizers have to publicise the ISE sponsorship in all the official documents related to the meeting (announcements, program, website etc.). At the meeting, a representative of ISE must be allowed to say a few words on behalf of the Society, and ISE must have the opportunity to advertise. After the meeting, the organizers should submit a short report to ISE to be published on the ISE website.

What do the organizers receive from ISE?

ISE publishes announcements and reports of ISE sponsored meetings on its website. The ISE Office can organize, free of charge, mailings to all, or a group of ISE members. In appropriate cases, there may be a special issue of *Electrochimica Acta* associated with these meetings. Decisions about special issues are made by the Editor-in-Chief.

What about money?

ISE sponsorship of a meeting does not necessarily include a financial contribution from ISE. The sponsoring Division(s) may use its funds to support such a meeting. The level of financial contribution will be determined by the Division(s), but a typical sum may be 500 Euros.

How to apply for ISE sponsorship?

If you would like to have the scientific meeting you are organizing sponsored by ISE, please send an e-mail to the ISE Office, at least one year in advance of the time of the meeting, and attach a completely filled in sponsor request form. This form can be found on the ISE website at: <http://ise-online.org/sponsmeet/info.php>. The decision will be taken by the Officers of the sponsoring Division(s), or by the Executive Committee, and the ISE Office will inform the applicant.

ISE Regional Student Meetings

Graduate Students who are members of ISE and intend to organize a Regional Student Meeting can apply for ISE financial support. Applications submitted by Graduate Students jointly with their supervisors or with other senior members of the staff of their university are also acceptable, but it is expected that the students will be engaged in the organizational aspects of the meeting as much as possible. Regional Student Meetings are typically one-day meetings involving graduate students active in the geographic area where the meeting takes place. The format of the meeting (oral presentations, posters, discussion sessions, other) is autonomously decided by the organizers who will be responsible for securing a venue and collecting registrations. No registration fee should be requested, if financially possible. When the Regional Student Meeting is associated to a larger ISE-sponsored meeting taking place in the same venue, the application must provide clear indication on the connections between the two events and must clearly describe the independent activities reserved to student participants. No later than one month after the meeting, the organizer(s) will send to the ISE Office a report on the event, including the names and the e-mail addresses of the participants. The student participants will be invited to apply for ISE membership. A report giving an overview of the meeting, accompanied by suitable pictures if available, will be posted on the ISE website under Student Activities.

Applications for ISE support must be sent by e-mail to the ISE Office, with a copy to the Regional Representative of the country where the meeting is organized, 3-12 months before the meeting date, using the application form. The local ISE Regional Representative, if requested, will assist the potential meeting organizer in the preparation of the application. Applications will be analyzed by a committee consisting of (i) ISE Immediate Past President (ii) ISE Secretary General, (iii) ISE Treasurer, (iv) ISE Vice President responsible for Educational Activity and (v) ISE Vice President responsible for Regional Sections. The response will be communicated to the applicant and to the relevant Regional Representative no later than 1 month after the application submission.

The maximum financial support will be 600 €; the expected use of the funds must be specified in the application. Co-sponsoring by other Societies and/or institutions is possible.

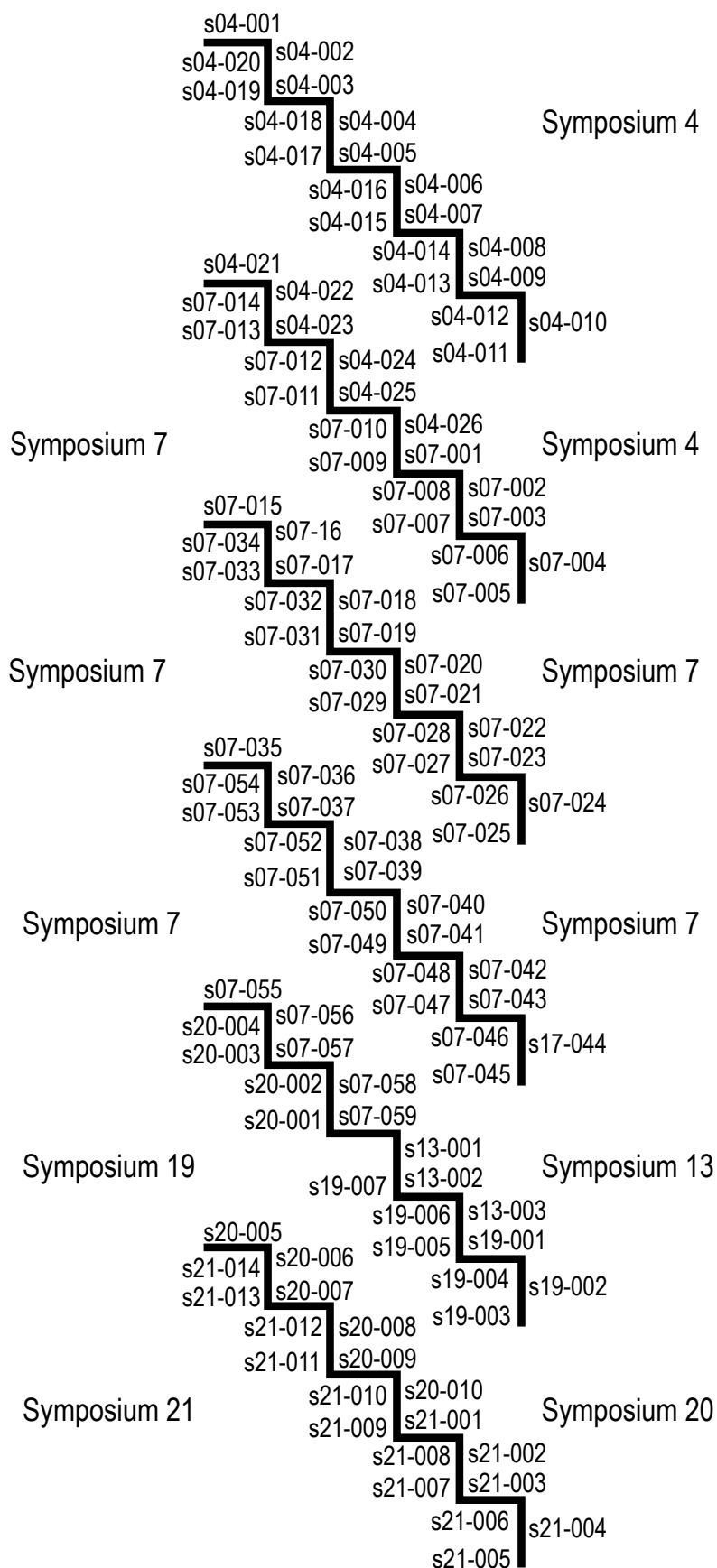
Poster plan of poster presentation session 1 - Monday

Poster set-up Monday: 08:30-10:30

Poster Presentation: Monday, 5 August: 10:50-12:20

Poster take-down Monday: 18:00-19:00

Symposium 4
Symposium 7
Symposium 13
Symposium 19
Symposium 20
Symposium 21



Poster plan of poster presentation session 2 - Tuesday

Poster set-up Tuesday: 08:30-10:30

Poster Presentation: Tuesday, 6 August: 10:50-12:20

Poster take-down Tuesday: 18:00-19:00

Symposium 2

Symposium 5

Symposium 9

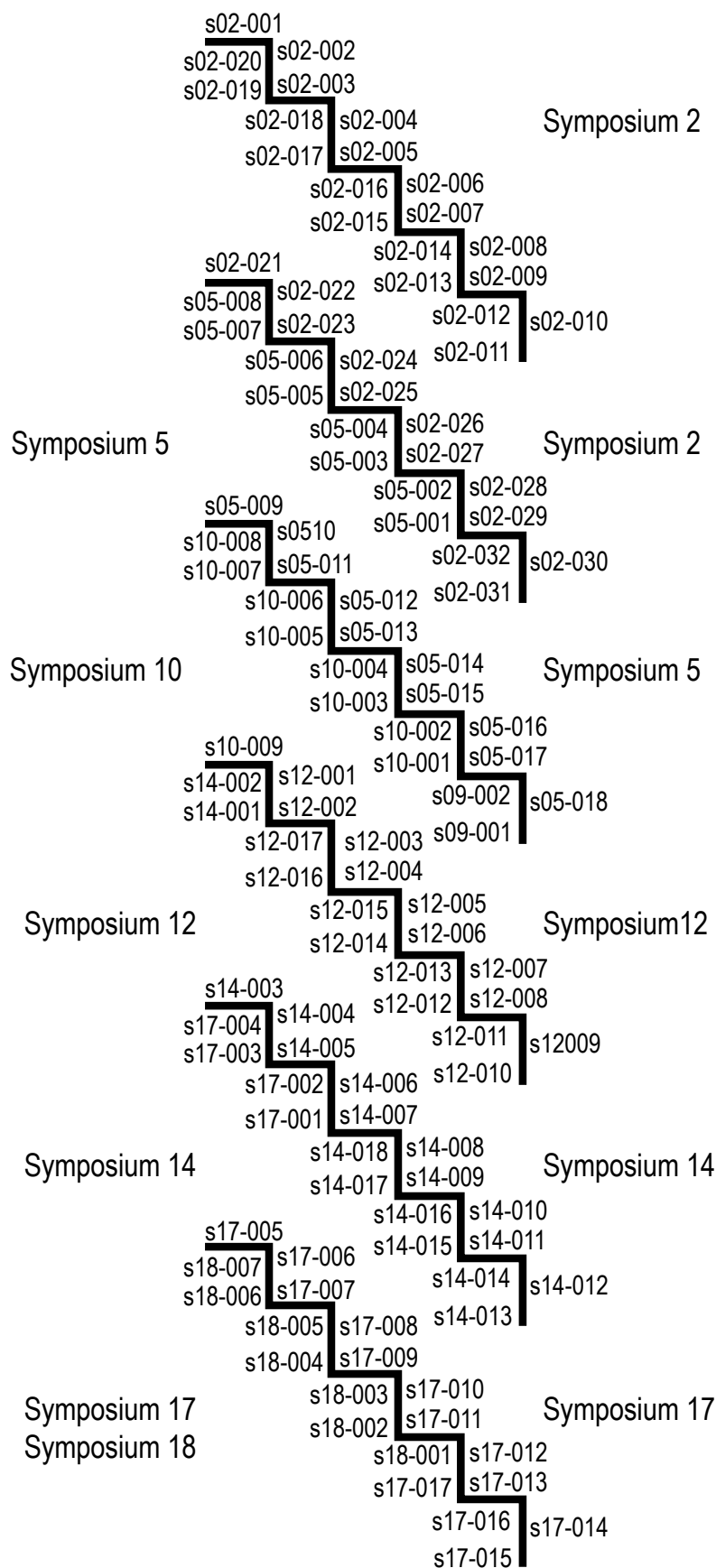
Symposium 10

Symposium 12

Symposium 14

Symposium 17

Symposium 18



Poster plan of poster presentation session 3 - Wednesday

Poster set-up Wednesday: 08:30-10:30

Poster Presentation: Wednesday, 7 August: **10:50-12:20**

Poster take-down Thursday: 14:00-16:00

Symposium 1
Symposium 3
Symposium 6
Symposium 8
Symposium 11
Symposium 15
Symposium 16

